1709

# *Apollo Anglicanus:*

## THE ENGLISH APOLLO.

Assisting

All Persons in the Right Understanding of this Years Revolutions, as also of Things past, present, and to come.

With necessary Tables, plain and useful

A twofold Kalendar, *viz. Julian* or *English*, and *Gregorian* or *Foreign* Computations, more plain and full than any other, with the Rising and Setting of the Sun, the nightly Rising and Setting of the Moon, and also her Southing, exactly calculated for every Day. Of general Use for most Men.

Being first after Bissextile, or Leap-Year.

To which is added the Moon's Application to the fixed Stars: With the Calculation of the Eclipses: Also Rules and Tables for the measuring of Timber: With many other things both pleasant, useful, and necessary.

Calculated according to Art, and fitted to the Meridian of *Leicester*, whose Latitude is 52 Degrees, 41 Minutes, exactly fitting all the middle Counties of *England*, and without sensible Error for the whole Kingdom.

By *RICHARD SAUNDER*,
*Student in the Physical and Mathematical Sciences.*

LONDON, Printed by *J. Wilde*, for the Company of STATIONERS, 1709.

| The *Julian* or Old Account used in *Engl.* | 1709 | The *Gregorian* or Stile used beyond S | |
|---|---|---|---|
| 19 | | The Golden Number | |
| D | | The Dominical Letter | |
| 29 | | The Epact | |
| March 6 | | Shrove-sunday | February |
| June 2 | | Ascension-Day | May |
| June 12 | | Whit-sunday | May |
| November 27 | | Advent-sunday | December |

## A Table of the Terms and their Retur

*Hilary* Term begins *Jan.* 24, and ends *Feb*

| *Essoin-days.* | | *Except.* | | *Ret. Brev.* | | *Appea* | |
|---|---|---|---|---|---|---|---|
| Octab. Hilar. | Jan. 10 | January | 21 | Jan. | 22 | Jan. | 2 |
| Quind. Hilar. | Jan. 17 | January | 28 | Jan. | 29 | Jan. | 2 |
| Craftin. Purif. | Feb. 3 | February | 4 | Febr. | 5 | Febr. | |
| Octab. Purif. | Feb. 10 | February | 11 | Febr. | 11 | Febr. | 1 |

*Easter* Term begins *May* 11, and ends *June*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Quind. Pasch. | May 9 | May | 10 | May | 10 | May | 1 |
| Tres Pasch. | May 16 | May | 17 | May | 17 | May | 1 |
| Ment. Pasch. | May 23 | May | 24 | May | 24 | May | 2 |
| Quinq. Pasch | May 30 | May | 31 | May | 31 | June | |
| Craft. Ascens. | June 3 | June | 4 | June | 4 | June | |

*Trinity* Term begins *June* 24, and ends *July*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Craft. Trin. | June 20 | June | 21 | June | 22 | June | 2 |
| Octab. Trin. | June 27 | June | 28 | June | 28 | June | 2 |
| Quind. Trin. | July 4 | July | 5 | July | 5 | July | |
| Tres Trin. | July 11 | July | 12 | July | 12 | July | |

*Michaelmas* Term begins Oct. 24, and ends *Nov*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Tres Mich. | Octob. 20 | Octob. | 21 | Octob. | 22 | Octob. | |
| Ment. Mich. | Octob. 27 | Octob. | 28 | Octob. | 29 | Octob. | 2 |
| Craft. Anim. | Nov. 3 | Novemb. | 4 | Nov. | 5 | Nov. | |
| Craft. Mart. | Nov. 12 | Novemb. | 12 | Nov. | 14 | Nov. | |
| Octab. Mart. | Nov. 18 | Novemb. | 19 | Nov. | 19 | Nov. | |
| Quind. Mart. | Nov. 25 | Novemb. | 26 | Nov. | 26 | Nov. | 2 |

| | | Born Anno | Began to reign. | Reigned Y. | M | Since their Reigns ended. | Buried at |
|---|---|---|---|---|---|---|---|
| ...am | 1 | 1029 | 1066, Oct. 14 | 20 | 11 | 623, Septem. 9 | Caen No. |
| ...am | 2 | 1056 | 1087, Sep. 9 | 13 | 11 | 069 August 2 | Winchest. |
| ...y | 1 | 1068 | 1100, Aug. 2 | 6 | 4 | 514, Decem. 1 | Reading |
| ...en | | 1105 | 1135, Dec. 1 | 18 | 11 | 555, Octon. 25 | Feversh. |
| The Saxon Line restor'd. | | | | | | | |
| ...y | 2 | 1132 | 1154, Oct. 25 | 35 | 9 | 520, July 6 | Fountevc |
| ...rd | 1 | 1155 | 1189, July 6 | 9 | 9 | 510, April 6 | Fountevc |
| | | 1165 | 1199, April 6 | 17 | 6 | 493, Octob. 19 | Worcest. |
| ...y | 3 | 1207 | 1216, Oct. 19 | 56 | 1 | 437, Nov. 16 | Westmin. |
| ...rd | 1 | 1239 | 1272, No. 16 | 34 | 8 | 402, July 7 | Westmin. |
| ...rd | 2 | 1283 | 1307, July 7 | 19 | 7 | 83 Jan. 25 | Glocester |
| ...rd | 3 | 1312 | 1326, Jan. 25 | 51 | 5 | 132, June 21 | Westmin. |
| ...rd | | 1366 | 1377, Jun. 21 | 22 | 3 | 310, Sept. 29 | Westmin. |
| The Line of Lancaster. | | | | | | | |
| ...y | 4 | 1367 | 1399, Sep. 29 | 13 | 6 | 296, Mar. 20 | Canterb. |
| ...y | 5 | 1386 | 1412, Mar. 20 | 9 | 5 | 287, Aug. 31 | Westmin. |
| ...y | 6 | 1421 | 1422, Aug. 31 | 38 | 6 | 48, Mar. 4 | Windsor. |
| The Line of York. | | | | | | | |
| ...rd | 4 | 1442 | 1461, Mar. 4 | 25 | 1 2 | 6, April 9 | Winchest. |
| ...rd | 5 | 1471 | 1483, Apr. 9 | 0 | 8 | 26, June 16 | Not kno. |
| ...rd | 3 | 1452 | 1483, Jun. 18 | 2 | 2 | 224, Aug. 21 | Leicest. |
| The Families United. | | | | | | | |
| ...y | 7 | 1455 | 1485, Aug. 22 | 23 | 6 | 200 April 22 | Westmin. |
| ...y | 8 | 1491 | 1509, Apr. 22 | 37 | 10 | 62 Jan. 28 | Windsor |
| ...rd | 6 | 1537 | 1547, Jan. 28 | 6 | 5 | 156 July 6 | Westmin. |
| ...ary | | 1518 | 1553, June 6 | 5 | 4 | 151, Nov. 17 | Westmin. |
| ...lizab. | | 1533 | 1558, No. 17 | 44 | 4 | 107, March 24 | Westmin. |
| The Two Kingdoms in the same Line. | | | | | | | |
| ...s | 1 | 1566 | 1602, Ma. 24 | 22 | 0 | 84, March 27 | Westmin. |
| ...les | 1 | 1600 | 1625, Ma. 27 | 23 | 1 | 60, Janu. 30 | Windsor |
| ...les | 2 | 1630 | 1648, Jan. 30 | 36 | 0 | 24 Februar. 6 | Westmin. |
| ...s | 2 | 1633 | 1685, Feb. 6 | 4 | 0 | 20, Febru. 13 | St. Germai. |
| ...m & ...y | 3 | 1650 | 1689, Feb. 13 | 13 | 1 | 7, March 8 | Westmin. |
| | 5 | 1662 | | 5 | 10 | 15, Decemb. 28 | Westmin. |
| Anne | | 1665 | 1702, Mar. 8 | Whom God grant long to Reign. | | | |

You here may see a Race of Monarchs Great,
Each for a time did fill the Royal Seat,
Then left the Throne: You see it fill'd again.
Pray God our Queen long time o'er us may reign;
Her Subjects multiply, Her Foes decrease,
Her Kingdoms have Prosperity and Peace.

A Table shewing the time of the Moon's com
to the South in Hours and Minutes, every D
for the first six Months of this Year, 1709.

| Day of the Month | Jan. H. | M. | February H. | M. | March H. | M. | April H. | M | May H. | M. | June H. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1A. | 14 | 1A. | 54 | 12A. | 42 | 1 | 48 | 2 | 36 | 4 |
| 2 | 1 | 58 | 2 | 38 | 1 | 22 | 2 | 44 | 3 | 38 | 5 |
| 3 | 2 | 38 | 3 | 18 | 2 | 2 | 3 | 42 | 4 | 40 | 6 |
| 4 | 3 | 18 | 4 | 00 | 2 | 50 | 4 | 44 | 5 | 36 | 6 |
| 5 | 4 | 00 | 4 | 50 | 3 | 40 | 5 | 40 | 6 | 28 | 7 |
| 6 | 4 | 42 | 5 | 44 | 4 | 36 | 6 | 36 | 7 | 18 | 8 |
| 7 | 5 | 24 | 6 | 43 | 5 | 36 | 7 | 32 | 8 | 7 | 9 |
| 8 | 6 | 8 | 7 | 45 | 6 | 38 | 8 | 26 | 8 | 56 | 10 |
| 9 | 7 | 00 | 8 | 51 | 7 | 42 | 9 | 20 | 9 | 46 | 11 |
| 10 | 8 | 00 | 9 | 52 | 8 | 44 | 10 | 14 | 10 | 36 | 11 |
| 11 | 9 | 2 | 10 | 52 | 9 | 41 | 11 | 06 | 11 | 26 | 12 |
| 12 | 10 | 6 | 11 | 48 | 10 | 36 | 11 | 56 | 12 | 17 | 0M. |
| 13 | 11 | 11 | 12 | 41 | 11 | 28 | 12M. | 48 | 0M | 17 | 1 |
| 14 | 12 | 15 | 0M. | 41 | 12 | 16 | 0M. | 48 | 1 | 8 | 2 |
| 15 | 0M. | 15 | 1 | 29 | 0M. | 16 | 1 | 40 | 2 | 0 | 2 |
| 16 | 1M. | 10 | 2 | 17 | 1 | 06 | 2 | 31 | 2 | 55 | 3 |
| 17 | 2 | 05 | 3 | 8 | 1 | 56 | 3 | 23 | 3 | 48 | 4 |
| 18 | 2 | 55 | 4 | 58 | 2 | 48 | 4 | 14 | 4 | 32 | 5 |
| 19 | 3 | 44 | 4 | 48 | 3 | 40 | 5 | 5 | 5 | 16 | 5 |
| 20 | 4 | 30 | 5 | 40 | 4 | 32 | 5 | 56 | 5 | 58 | 6 |
| 21 | 5 | 16 | 6 | 32 | 5 | 24 | 6 | 40 | 6 | 40 | 7 |
| 22 | 6 | 3 | 7 | 20 | 6 | 16 | 7 | 22 | 7 | 22 | 8 |
| 23 | 6 | 52 | 8 | 08 | 7 | 8 | 8 | 04 | 8 | 06 | 0 |
| 24 | 7 | 42 | 8 | 56 | 7 | 56 | 8 | 46 | 8 | 52 | 10 |
| 25 | 8 | 34 | 9 | 42 | 8 | 38 | 9 | 30 | 9 | 40 | 11 |
| 26 | 9 | 25 | 10 | 27 | 9 | 20 | 10 | 14 | 10 | 32 | 12A. |
| 27 | 10 | 12 | 11 | 12 | 10 | 2 | 11 | 00 | 11 | 26 | 1 |
| 28 | 11 | 00 | 11 | 57 | 10 | 44 | 11 | 47 | 12 | 25 | 2 |
| 29 | 11 | 50 | | | 11 | 27 | 12 | 46 | 1A. | 27 | 2 |
| 30 | 12 | 32 | | | 12 | 10 | 1A. | 38 | 2 | 30 | 3 |
| 31 | 1A. | 14 | | | 1A. | 00 | | | 3 | 29 | |

Table shewing the time of the Moon's coming to the South in Hours and Minutes, every Day for the last Six Months of this Year 1709.

| | July | | August | | Septem. | | Octob. | | Novem. | | Decem. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | H. | M. | H. | M. | H. | M. | H. | M. | H. | M. | H. | M. |
| 1 | 4 | 34 | 5 | 52 | 7 | 18 | 7 | 55 | 8 | 44 | 8 | 38 |
| 2 | 5 | 12 | 6 | 44 | 8 | 18 | 8 | 38 | 9 | 26 | 9 | 18 |
| 3 | 5 | 52 | 7 | 36 | 9 | 6 | 9 | 21 | 10 | 10 | 10 | 8 |
| 4 | 6 | 38 | 8 | 28 | 9 | 50 | 10 | 03 | 10 | 54 | 11 | 2 |
| 5 | 7 | 26 | 9 | 22 | 10 | 31 | 10 | 46 | 11 | 38 | 12 | 00 |
| 6 | 8 | 18 | 0 | 1 | 11 | 14 | 11 | 30 | 12 | 27 | 0M | 00 |
| 7 | 9 | 16 | 10 | 57 | 11 | 56 | 12 | 15 | 0M | 27 | 1 | 2 |
| 8 | 10 | 14 | 1 | 41 | 12 | 38 | 0M | 15 | 1 | 25 | 2 | 4 |
| 9 | 11 | 14 | 12 | 25 | 0M | 38 | 1 | 00 | 2 | 24 | 3 | 00 |
| 10 | 12 | 15 | 0M | 25 | 1 | 20 | 1 | 48 | 3 | 22 | 3 | 50 |
| 11 | 0M | 15 | 1 | 08 | 2 | 00 | 2 | 40 | 4 | 16 | 4 | 38 |
| 12 | 1 | 00 | 1 | 50 | 2 | 46 | 3 | 36 | 5 | 11 | 5 | 25 |
| 13 | 1 | 42 | 2 | 32 | 3 | 36 | 4 | 34 | 6 | 5 | 6 | 12 |
| 14 | 2 | 22 | 3 | 14 | 4 | 32 | 5 | 34 | 6 | 55 | 7 | 4 |
| 15 | 3 | 2 | 4 | 00 | 5 | 30 | 6 | 30 | 7 | 44 | 7 | 56 |
| 16 | 3 | 42 | 4 | 45 | 6 | 30 | 7 | 24 | 8 | 32 | 8 | 48 |
| 17 | 4 | 22 | 5 | 33 | 7 | 32 | 8 | 15 | 9 | 22 | 9 | 40 |
| 18 | 5 | 6 | 6 | 30 | 8 | 30 | 9 | 8 | 10 | 14 | 10 | 36 |
| 19 | 5 | 54 | 7 | 32 | 9 | 26 | 10 | 00 | 11 | 08 | 11 | 32 |
| 20 | 6 | 44 | 8 | 33 | 10 | 18 | 10 | 56 | 12 | 5 | 12 | 26 |
| 21 | 7 | 40 | 9 | 34 | 11 | 10 | 11 | 50 | 1A. | 2 | 1A. | 14 |
| 22 | 8 | 40 | 10 | 35 | 12 | 2 | 12 | 40 | 2 | 00 | 2 | 14 |
| 23 | 9 | 44 | 11 | 34 | 12 | 55 | 1A. | 30 | 2 | 48 | 2 | 48 |
| 24 | 10 | 48 | 12 | 30 | 1A. | 51 | 2 | 26 | 3 | 38 | 3 | 38 |
| 25 | 11 | 52 | 1A. | 22 | 2 | 48 | 3 | 28 | 4 | 24 | 4M | 10 |
| 26 | 12 | 50 | 2 | 10 | 3 | 44 | 4 | 32 | 5 | 4 | 4 | 50 |
| 27 | 1A. | 42 | 3 | 00 | 4 | 36 | 5 | 6 | 5 | 44 | 5 | 30 |
| 28 | 2 | 35 | 3 | 50 | 5 | 2 | 5 | 52 | 6 | 24 | 6 | 8 |
| 29 | 3 | 28 | 4 | 42 | 6 | 10 | 6 | 36 | 7 | 4 | 6 | 54 |
| 30 | 4 | 15 | 5 | 38 | 7 | 12 | 7 | 29 | 7 | 45 | 7 | 42 |
| 31 | 5 | 01 | 6 | 34 | | | 8 | 2 | | | 8 | 32 |

## *To find the Time of High Water in most Ports of* England.

FIrſt ſeek the Moon's Southing on the foregoing Table your Day, then you may conclude it High-Wate *Southampton*, *Quinborough* and *Portſmouth*, for there South and North-Moons make a High-Water: But when deſire the time of Full Sea in any of the following Coaſt the enſuing Table, find the name of the Place, and ſee many Hours and Minutes be annex'd thereunto in the Col under *H. M.* which added to the time of the Moon's co to the South, gives the time of High-Water at the P required.

A *Tide Table*, with the Names of the Havens.

| | H. | |
|---|---|---|
| *Rocheſter*, *Malden*, *Aberdeen*, | 0 | |
| *Graveſend*, *Romney*, *Ramkins*, | 1 | 3 |
| *London*, *Tinmouth*, *Hartle-pool*, | 3 | |
| *Frith*, *Leith*, *Dunbar*, *Narbon*, | 4 | 3 |
| *Newcaſtle*, *Falmouth*, *Humber*, | 5 | 1 |
| *Lyn*, *Antwerp*, *Plimouth*, *Hull*, | 6 | |
| *Briſtol*, *Lanion*, *Foulneſs*, | 6 | |
| *Milford*, *Bridg-water*, *North-coaſt*, | 7 | 3 |
| *Portland*, *Peterport*, *Hartflew*, | 8 | 5 |
| *Dover*, *Yarmouth*, *Harwich*, *Dublin*, | 10 | 3 |
| *Calais*, *Rye*, *Winchelſea*, *Calſhot*, | 11 | 1 |

### *Example.*

The 15th Day of *June*, this Year, it is required to k the Time of High-Water at *London*: By the Table of Moon's coming to the South, againſt *June* the 15th. I the Moon South at 2 ho. 56 min. in the morning, the the Tide-Table above, I find againſt *London*, 3 hours 00 which being added to 2 ho. 56 min. makes 5 ho. 56 the Time of High-Water at *London*, the 15th Day of in the morning; the like of any other.

*Note*, That the Tide floweth conſiderably more at New and Full Moons, than at the Firſt and Laſt Quart as alſo the Latitude of the Moon and Winds may alte an hour ſooner or later.

*Dir*

## *Directions for the subsequent Diary or Almanack.*

In the first Column to the left hand, on the left-hand Page you have the Numerical Figures of the days of the Month.

In the second Column you have the week days, and the Dominical Letter.

In the third Column you have the Saints days, and the Aspects of the Planets once a Month; as also the Moons application to the fixed Stars, by which the Asterisms and Constellations may be easily known to an ingenious eye and understanding.

In the fourth Column the Moons place in the Zodiack every day at noon.

In the fifth Column the rising and setting of the Moon, with respect to her Latitude.

In the sixth Column the Mutual Aspects of the Planets, with the general state of the Weather.

In the first Column on the Right-hand Page you have the English Account.

In the second Column you have the Roman Account, being now 10 days before ours.

In the third Column the Roman Week days.

In the fourth Column the perfect Roman Kalender, and Saints Days.

In the fifth Column a discourse of the Clouds, Thunder, Lightning, Earthquakes, *&c.*

The sixth, seventh and eighth Columns, the utmost to the Right hand, shew you the daily Rising and Setting of the Sun.

On the top of the Left hand Page is set the New and Full Moons, with the first and last Quarters.

On the top of the Right hand Page is set the Rising, South and Setting of the Planets.

# January hath xxxi Days.

☽ First Quarter the 8th day, at 3 in the morning.
● Full Moon the 14d day, at 7 at night.
☾ Last Quarter the 21st day, at 4 in the afternoon.
● New Moon the 29th day, at 8 at night.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | a | New-Years-day. | aqua. | 8 | 5A. | 26 | High Winds wi |
| 2 | b | Sund. aft. Christ. | aqua. | 22 | 6 | 38 | Snow, begins t |
| 3 | c | ☽ n. Dex Bra. ♒ | pisces | 2 | 7 | 50 | Month, and co |
| 4 | d | ☽ n. Marchab | pisces | 14 | 9 | 4 | tinues rough a |
| 5 | e | ☽ n. Algenib | pisces | 26 | 10 | 18 | ☌ ☌ ☿ turbule |
| 6 | f | Epiphany | aries | 8 | 11 | 32 | then follows fr |
| 7 | g | ☽ n. pri. ✶ Ariet. | aries | 21 | 12 | 48 | with some mi |
| 8 | a | ☽ n. Aldebaran | taur. | 4 | 0M. | 48 | □ ☉ ♆ fog |
| 9 | b | 1 Sun. aft. Epip | taur. | 18 | 2 | 16 | Weather, oth |
| 10 | c | Sol in Aquarius | gem. | 2 | 3 | 45 | whiles brisk Wi |
| 11 | d | ☽ n. Alhaiot | gem. | 16 | 5 | 13 | and probably |
| 12 | e | ☽ n. Luc. ped. ♊ | canc. | 1 | 6 | 28 | ☌ ♄ ☿ bout th |
| 13 | f | Hillary | canc. | 16 | 7 | 25 | time the froft i |
| 14 | g | ☽ n. Asellus | leo | 2 | Full | ● | creaseth, and co |
| 15 | a | ☽ n. Cor. Leonis | leo | 17 | 5A. | 19 | tinues till aft |
| 16 | b | 2 Sun. aft Epiph. | virgo | 1 | 6 | 48 | the Full Moo |
| 17 | c | ♄ ♊ 26 R. | virgo | 16 | 8 | 17 | then possibly fo |
| 18 | d | ♃ ♏ 1. St. | libra | 0 | 9 | 46 | remission of co |
| 19 | e | ♂ ♐ 6. | libra | 14 | 11 | 3 | yet not witho |
| 20 | f | ☿ ♑ 6. R. | libra | 27 | 12 | 35 | ☌ ☌ ☿ Snow |
| 21 | g | Agnes | scorp. | 10 | 0M. | 35 | cold Rain; and |
| 22 | a | ☿ ♒ 6. | scorp. | 23 | 1 | 50 | bout the 21t |
| 23 | b | 3 Sund. aft Epip. | sagit. | 5 | 3 | 08 | Winds with Sno |
| 24 | c | Term begins | sagit. | 18 | 4 | 26 | or cold Rain, a |
| 25 | d | Convers. S. Paul | capri. | 0 | 5 | 32 | plenty thereo |
| 26 | e | ☽ n. Cap. Sigit. | capri. | 12 | 6 | 28 | then Mists aree |
| 27 | f | ☽ n. Aust. Cor. ♑ | capri. | 23 | 6 | 56 | pected, and clo |
| 28 | g | ☽ n. Luc Man. ♒ | aqua. | 5 | 7 | 19 | dy and close w |
| 29 | a | ☽ n. Dex. hu. ♒ | aqua. | 17 | New | ● | ther, with so |
| 30 | b | K. Char. I. Mart. | aqua. | 29 | 5 | 44 | drisling Rain, or Sno |
| 31 | c | ☽ n. Marchab. | pisces | 11 | 6 | 52 | and foggy close. We |
| | | | | | | | ther to the end. |

Moon's Setting.

Moon's Rising.

| Rom. St. | | Foreign Accom. | Rom. Kalendar. |
|---|---|---|---|
| 12 | ℓ | Satyrius | |
| 13 | ℳ | 1Sun. p. Epi. | |
| 14 | ℊ | Felix | |
| 15 | a | Mauritius | |
| 16 | b | Marcellus | |
| 17 | c | Anthony | |
| 18 | d | Prisca | |
| 19 | e | Pontian | |
| 20 | ℱ | 2Sun. p. Epi. | |
| 21 | ℊ | Agnes | |
| 22 | a | Vincent | |
| 23 | b | Emerent | |
| 24 | c | Timothy | |
| 25 | d | Con. S. Paul | |
| 26 | e | Polycarp | |
| 27 | ℱ | Septuages. | |
| 28 | ℊ | Car. Mag. | |
| 29 | a | Valerius | |
| 30 | b | Adelgund | |
| 31 | c | Syriacus | |
| Febr. | | | |
| 2 | ℓ | Pur. Vi. Ma. | |
| 3 | ℱ | Sexagesim. | |
| 4 | ℊ | Veronica | |
| 5 | a | Agatha | |
| 6 | b | Dorothy | |
| 7 | c | Zachary | |
| 8 | d | Corinthia | |
| 9 | e | Apollon. | |
| 10 | ℱ | Quinquag. | |
| 11 | ℊ | Euphrosin. | |

*Saturn* at the beginning is South about 10 at Night, at the end he is South about 8, and sets then about 4 in the Morning. *Jupiter* rises about Midnight. *Mars* is South about 45 minutes after *Saturn*. *Venus* rises about break of Day. *Mercury* rises a little before the Sun.

IN my Last, speaking of Thunder, Lightning, &c. I intimated, That the Harm or Mischief done thereby, was not by a Thunder-bolt of Stone, (as many had imagined) but that it was the violent Eruption of the Fire (or Lightning) that was the Shot that generally did the mischief, and that which doth in a great measure confirm that Opinion, is, first, that in those Accidents there mentioned, and in many others known, and heard of, no such Stone Bolt was or could be found, nor was it probable, that a Stone Bolt, or Bolts could so twist, tear, and shiver in to so small pieces so great a Tree as the May-pole there mentioned: Secondly, By the improbability of a Stone being bred or made in the Clouds; as one Author would have it; saying, That in the Exhalations raised from the Earth, is

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 8 | 6 | 13 | 54 | | | | |
| 2 | 8 | 5 | | 55 | | | | |
| 3 | | 4 | | 56 | | | | |
| 4 | | 2 | | 58 | | | | |
| 5 | | 1 | 3 | 59 | | | | |
| 6 | 7 | 59 | 4 | 1 | | | | |
| 7 | | 58 | | 2 | | | | |
| 8 | | 56 | | 4 | | | | |
| 9 | | 55 | | 5 | | | | |
| 10 | | 53 | | 7 | | | | |
| 11 | | 52 | | 8 | | | | |
| 12 | | 50 | | 10 | | | | |
| 13 | | 48 | | 12 | | | | |
| 14 | | 46 | | 14 | | | | |
| 15 | 7 | 44 | 4 | 16 | | | | |
| 16 | | 43 | | 17 | | | | |
| 17 | | 41 | | 19 | | | | |
| 18 | | 39 | | 21 | | | | |
| 19 | | 38 | | 22 | | | | |
| 20 | 7 | 36 | 4 | 24 | | | | |
| 21 | | 34 | | 26 | | | | |
| 22 | | 33 | | 27 | | | | |
| 23 | | 31 | | 29 | | | | |
| 24 | | 29 | | 31 | | | | |
| 25 | 7 | 27 | 4 | 33 | | | | |
| 26 | | 25 | | 35 | | | | |
| 27 | | 23 | | 37 | | | | |
| 28 | | 21 | | 39 | | | | |
| 29 | | 19 | | 41 | | | | |
| 30 | 7 | 17 | 4 | 43 | | | | |
| 31 | | 16 | | 44 | | | | |

# February hath xxviii Days.

☽ First Quarter, the 6th day, at 4 in the afternoon.
● Full Moon the 13th day, at 5 in the morning.
☾ Last Quarter the 20th day, at 9 in the morning.
● New the 28th day, at 1 in the afternoon.

| Month Day. | Week Day. | Festival & Saints days, with the ☽'s applicat. to the noted fix'd ſt rs. | The ☽'s place in the zodiack at N. | | | The ☽ rising fro. the full to the change, & ſetting fr. the cha. to the fu. | The mutual Aſpe of the Planets, w the Various Con tution of Air, change of Weath |
|---|---|---|---|---|---|---|---|
| 1 | D | ☽ n. Caud. Ceti. | piſces | 23 | 8 | A 00 | Cloudy and ci |
| 2 | E | Purif. Virg. Mary | aries | 5 | 9 | 11 | △ ☉ ♄ ☌ ☉ |
| 3 | F | ☽ n. pr. ✱ Ariet. | aries | 18 | 10 | 30 | △ ♄ ☿ wit |
| 4 | G | ☽ n. Manker. | taur. | 0 | 11 | 50 | black Frosts, a |
| 5 | A | ☽ n. Caud. Ariet. | taur. | 13 | 1 | 10 | △ ♆ ☿ about t |
| 6 | B | 5 Sund. paſt Epi. | taur. | 27 | 1 | M. 10 | time Winds w |
| 7 | C | ☽ n. Aldebaran | Gem. | 11 | 2 | 30 | Snow or cold Ra |
| 8 | D | Sol in Piſces | Gem. | 25 | 3 | 52 | △ ☉ ♃ then f |
| 9 | E | ☽ n. Caſtor | Cn. | 10 | 5 | 14 | lows ſome Froſ |
| 10 | F | ☽ n. Procyon | Can. | 25 | 6 | 00 | and about t |
| 11 | G | ♄ ♊ 25. St. | leo | 10 | 6 | 26 | 12th or 13th da |
| 12 | A | Term ends. | leo | 25 | 6 | 48 | ſharp Winds, f |
| 13 | B | 6 Sund. paſt Epi | virgo | 10 | Full | ☾ | lowed with Sn |
| 14 | C | *Valentine* | virgo | 25 | 7 | A. 15 | or cold Rain, th |
| 15 | D | ☿ ♍ 1. R. | libra | 9 | 8 | 44 | ſome moder |
| 16 | E | ☌ ♎ 7. D. | libra | 23 | 0 | 12 | Froſts may be e |
| 17 | F | ♀ ♏ 10. | ſcorp. | 7 | 11 | 40 | peeted; but abo |
| 18 | G | ♃ ♐ 25. | ſcorp. | 20 | 1 | 4 | the 18th ſo |
| 19 | A | ☽ n. Cor. Scorp | ſagit. | 2 | | M 4 | □ ♄ ♀ Stor |
| 20 | B | Septuageſima | ſagit. | 15 | 2 | 20 | and ſharp Win |
| 21 | C | ☽ n. S. n Man. ♑ | ſagit. | 27 | 3 | 24 | then ſome Froſ |
| 22 | D | ☽ n. Cap. ſagit. | capr. | 9 | 4 | 16 | w th miſty |
| 23 | E | ☽ n. Luc. vult. | capr. | 20 | 4 | 52 | foggy Weat |
| 24 | F | St. Matthias | aquar. | 2 | 5 | 16 | other whiles; a |
| 25 | G | ☽ r. Sin. hu. ♒ | aquar. | 14 | 5 | 36 | at the end win |
| 26 | A | ☽ n. Oſ. Pagaſ. | aquar. | 26 | 5 | 53 | with Snow |
| 27 | B | Sexageſima | piſces | 8 | 6 | 08 | cold driſling |
| 28 | C | ☽ n. Caud. Ceti. | piſces | 20 | New | ● | □ ♂ ☿ Rai |

Moon's Setting.

Moon's Riſing.

*Saturn* is South about 7 at Night, and sets about 3 in the Morning. *Jupiter* rises between 10 and 11 at Night. *Mars* is South about 8 at Night, and sets between 4 and 5 in the Morning. *Venus* rises between 5 and 6 in the Morning. *Mercury* at the end may be seen setting after the Sun.

| Fest. Accor. | Forei. Acc. mpt | Rom. Kalenda. | Rom. Str. Days | Of Thunder, Lightening, Earthquakes, &c. | M. D. | ☉ Rise | ☉ Set |
|---|---|---|---|---|---|---|---|
| 1 | 12 | a | Shrove Tu | is contained much Earthy | 17 | 14 | 4 46 |
| 2 | 13 | b | Ash-wedn. | Matter, which clottering | 2 | 12 | 48 |
| 3 | 14 | c | Valentine | together by Moisture, be- | 3 | 10 | 50 |
| 4 | 15 | d | Faustinus | ing clammy by Nature, | 4 | 8 | 52 |
| 5 | 16 | e | Polycron | consisting of Brimstone | 5 | 6 | 54 |
| 6 | 17 | f | Quadrages | and other Metallick Sub- | 6 | 4 | 56 |
| 7 | 18 | g | Concordia | stances, by the excessive | 7 | 2 | 58 |
| 8 | 19 | a | Roman | Heat, is hardened as a | 8 7 | 0 | 5 00 |
| 9 | 20 | b | Mildred | Brick in the Fire, *&c.* But | 9 6 | 58 | 5 2 |
| 10 | 21 | c | Esaias | methinks by that time | 10 | 56 | 4 |
| 11 | 22 | d | Cat. Pet. | these Earthy Particles were | 11 | 54 | 6 |
| 12 | 23 | e | Polycarp | so far united, as to become | 12 | 52 | 8 |
| 13 | 24 | f | Reminsc. | St. Matthias] as large as | 13 | 50 | 10 |
| 14 | 25 | g | Juv. Pa. | common Hail-shot, they | 14 | 48 | 12 |
| 15 | 26 | a | Simeon | would naturally be return- | 15 6 | 46 | 5 14 |
| 16 | 27 | b | Augustin | ing, and not stay to be | 16 | 44 | 16 |
| 17 | 28 | c | Oswald | further magnified and pe- | 17 | 42 | 18 |
| 18 | Marc | d | David | trefied; when I see it rain | 18 | 40 | 20 |
| 19 | 2 | e | Chad | entire Fish-ponds and Ri- | 19 | 38 | 22 |
| 20 | 3 | f | Oeul | vers, it will be time to | 20 | 36 | 24 |
| 21 | 4 | g | Adrian | credit the other Story. In- | 21 | 34 | 26 |
| 22 | 5 | a | Phocas | deed, *Semmertus*, in his *Na-* | 22 | 32 | 28 |
| 23 | 6 | b | Victor | *tural Philosophy*, speaking | 23 6 | 30 | 5 30 |
| 24 | 7 | c | Perpetua | of the Thunder-bolt, saith, | 24 | 28 | 32 |
| 25 | 8 | d | Aquinas | It is a fiery and thin Ni- | 25 | 26 | 34 |
| 26 | 9 | e | Apollon | tro-sulphureous Spirit, and | 26 | 24 | 36 |
| 27 | 10 | f | Lætare | not a Stone, as the Com- | 27 | 22 | 38 |
| 28 | 11 | g | 40 Mart. | mon People imagine, for | 28 6 | 20 | 5 40 |
| | | | | the | | | |

☽ First Quarter the 8th day, at 1 in the morning.
● Full Moon the 14th day, at 4 the afternoon.
☾ Laſt Quarter the 22d day, at 2 in the morning.
● New Moon the 30th day, at 4 in the morning.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | D | David B. | aries | 2 | 7 | A. | 2 | ♄ ♀ Col |
| 2 | E | Chad. B. | aries | 15 | 8 | | 18 | with black Froſt |
| 3 | F | ☽ n. pr. ✱ Ariet. | aries | 27 | 9 | | 38 | then follows wit |
| 4 | G | ☽ n. Manker. | taur. | 10 | 11 | | 2 | with ſtorms |
| 5 | A | ☽ n. Pleiades. | taur. | 23 | 12 | | 32 | ♄ ♀ ☐ ☉ |
| 6 | B | Quinquageſima | gem. | 7 | 0 | M. | 32 | Rain or Snow, |
| 7 | C | ☽ n. Dex. Hu. Au. | gem. | 21 | 1 | | 52 | moderate We |
| 8 | D | Shrove. Tueſday. | canc. | 5 | 3 | | 06 | ther for the Se |
| 9 | D | Aſh-Wedneſday. | canc. | 19 | 4 | | 00 | ſon may now |
| 10 | F | Sol in Aries | leo | 3 | 4 | | 36 | expected, but |
| 11 | G | ☽ n. Cor. Leon. | leo | 18 | 4 | | 58 | bout the 11th da |
| 12 | A | ☽ n. Luc. Terg. ♌ | virg. | 3 | 5 | | 12 | begins windy a |
| 13 | B | Quadrageſima | virg. | 18 | 5 | | 26 | ſtormy Weathe |
| 14 | C | ♄ ♊ 26. D. | libra | 3 | Full | | ● | and continu |
| 15 | D | ♃ ♏ 1. R. | libra | 17 | 7 | A. | 50 | rough and turb |
| 16 | E | Ember-week. | ſcorp. | 1 | 9 | | 12 | ☌ ☉ ♀ lent, a |
| 17 | F | ♂ ♋ 15. | ſcorp. | 15 | 10 | | 36 | about the 18 |
| 18 | G | ☿ ♓ 20. | ſcorp. | 28 | 12 | | 00 | day, ſome ſha |
| 19 | A | ♀ ♈ 5. R. | ſagit. | 11 | 0 | M. | 00 | Storms of Ha |
| 20 | B | 2 Sund. in Lent. | ſagit. | 23 | 1 | | 24 | Rain or Snow, ſo |
| 21 | C | Benedict | capr. | 5 | 2 | | 26 | lowed with ſom |
| 22 | D | ☽ n. Cap. ſagit. | capr. | 17 | 3 | | 14 | Froſts and d |
| 23 | E | ☽ n. Bo. Corn. ♍ | capr. | 29 | 3 | | 37 | Winds, and ' |
| 24 | F | ☽ n. Sinift. Hu. ♒ | aqua. | 11 | 3 | | 54 | hoped good ſe |
| 25 | G | Annun. B. V. M. | aqua. | 22 | 4 | | 08 | Weather the |
| 26 | A | ☽ n. Dex. Bra. ♒ | piſces | 4 | 4 | | 20 | days; but t |
| 27 | B | 3 Sunday in Lent | piſces | 16 | 4 | | 30 | wards the en |
| 28 | C | ☽ n. Algenis | piſces | 29 | 4 | | 40 | Wind and R |
| 29 | D | ☽ n. Caud. Cet. | aries | 11 | 4 | | 50 | may be expecte |
| 30 | E | ☽ n. prim. ✱ ♈ | aries | 24 | New | | ● | △ ♄ ♃ |
| 31 | F | ☽ n. Manker | taur. | 7 | 9 | A. | 00 | ☐ ☉ ♂ |

Moon's Setting. Moon's Riſing.

*Saturn* at the beginning sets between 2 and 3, at the end he sets between 12 and 1 in the Morning. *Jupiter* rises between 8 and 9 at Night, and is South between 1 and 2 in the morning. *Mars* sets between 3 and 4 in the Morning. *Venus* rises between 5 and 6. *Mercury* at the beginning may be seen setting after the Sun: But soon after is hid. And is Combust.

| Forein. Accom. | Rom. Kalendar | Rom. St. days. | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 12 | a | Gregory | the wonderful power and | 1 | 6 | 18 | 5 | 42 |
| 13 | b | Theodorus | force of the Thunder-bolt | 2 | | 16 | | 44 |
| 14 | c | Eutychus | must not be ascribed to a | 3 | | 14 | | 46 |
| 15 | d | Longinus | Stone, but to a Body much | 4 | | 11 | | 49 |
| 16 | e | Hilarius | more thin and subtil. But | 5 | | 09 | | 51 |
| 17 | f | Judica | (*says he*) if any Man will | 6 | | 7 | | 53 |
| 18 | g | Edward R | hold, that a most solid | 7 | | 4 | | 56 |
| 19 | a | Joseph | Stone may be sometimes | 8 | | 2 | | 58 |
| 20 | b | Cuthbert | bred in the Clouds of Ex- | 9 | 6 | 00 | 6 | 00 |
| 21 | c | Benedict | halations, thickened and co- | 10 | 5 | 58 | | 2 |
| 22 | d | Paulin | agulated, and be cast down | 11 | | 56 | | 4 |
| 23 | e | Victor | with the Thunder-bolt or | 12 | | 54 | | 6 |
| 24 | f | Palm-sund. | Lightening, as a Bullet | 13 | | 52 | | 8 |
| 25 | g | An. B. V. M. | shot out of a Gun: I shall | 14 | | 50 | | 10 |
| 26 | a | Cast. M. | not contend with him, yet | 15 | | 48 | | 12 |
| 27 | b | Mercian | I think such a thing hap- | 16 | 5 | 46 | 6 | 14 |
| 28 | c | Dorothy | peneth but seldom, thus far | 17 | | 44 | | 16 |
| 29 | d | Quint | *Sennertus*; But *Hen. Ultra-* | 18 | | 42 | | 18 |
| 30 | e | Guido | *jectini in Philosph. Natural* | 19 | | 40 | | 20 |
| 31 | f | Pascha | *Lib.* 3 *Cap.* 7. *Air, Cum Ful-* | 20 | | 38 | | 22 |
| April | | Theodor. | *mine nonnunquam lapis so-* | 21 | | 36 | | 24 |
| 2 | a | Mary Egy. | *lidissimus exfuliginosis, glu-* | 22 | | 34 | | 26 |
| 3 | b | Richard | *tinosis & terrestribus ejus* | 23 | | 32 | | 28 |
| 4 | c | Ambrose | *partibus, conglutinatur, qui* | 24 | 5 | 30 | 6 | 30 |
| 5 | d | Martian | *una ejectus durissima etiam* | 25 | | 28 | | 32 |
| 6 | e | Sixtus | *confringit Corpora*, which I | 26 | | 26 | | 34 |
| 7 | f | Quasimod. | shall believe as I told you | 27 | | 23 | | 37 |
| 8 | g | Dionysius | before: 'Tis as good as the | 28 | | 21 | | 39 |
| 9 | a | Vincent | Grave Divine in his Ob- | 29 | | 19 | | 41 |
| 10 | b | Marcellus | servations of the Natural | 30 | 5 | 17 | 6 | 43 |
| 11 | c | Leo Pap. | History of the Earth, speak- | 31 | | 15 | | 45 |

ing

☽ First Quarter the 6th day, at 10 in the morning.
● Full Moon the 13th day, at 3 in the morning.
☾ Last Quarter the 20th day, at 8 at night.
○ New Moon the 28th day, at 4 in the afternoon.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | g | ☽ n. Pleiades | taur. | 20 | 10 | A. 18 | Fair at the begi |
| 2 | a | ☽ n. Aldebaran | Gem. | 4 | 11 | „ 40 | ing, but soon tur |
| 3 | b | Sunday in Lent | Gem. | 17 | 1 | 4 | to windy a |
| 4 | c | ☽ n. Luc. Ped. ♊ | canc. | 1 | 0 | M 4 | showry, and abo |
| 5 | d | ☽ n. Cast. & Poll. | canc. | 15 | 1 | 8 | ☌ ☉ ♆ the 4th |
| 6 | e | ☽ n. Asellos | canc. | 29 | 2 | 00 | 6th days, cold Ra |
| 7 | f | ☽ n. Cap. Leonis | leo | 13 | 2 | 38 | or Show wi |
| 8 | g | ☽ n. Cor. Leonis | leo | 28 | 3 | 4 | some frosty Mor |
| 9 | a | ☿ in Taurus | virgo | 12 | 3 | 33 | ings about t |
| 10 | b | Sunday in Lent | virgo | 27 | 3 | 4 | time, then follo |
| 11 | c | ☽ n. Vindemiatr. | libra | 11 | 3 | 57 | □ ♃ ♂ fo |
| 12 | d | ☽ n. Spica Virg. | libra | 25 | 4 | 12 | warm Showe |
| 13 | e | ☽ n. Laux. Austr. | scorp. | 9 | Full | ● | with some bri |
| 14 | f | ☽ n. Lanc. Bor. | scorp. | 23 | 9 | A. 50 | Winds and Sho |
| 15 | g | ☽ n. Cor. Scorpi. | sagit. | 6 | 11 | 8 | Rain, about the |
| 16 | a | ☽ n. Dex. Hu. Op. | sagit. | 19 | 12 | 28 | or 14th days. |
| 17 | b | Palm Sunday | capri. | 1 | 0 | M. 22 | terwards fair |
| 18 | c | ☽ ☊ 29. | capri. | 13 | 1 | 20 | ☌ ♃ ♀ plea |
| 19 | d | ☿ ♎ 24. | capri. | 25 | 1 | 41 | Weather may |
| 20 | e | ♂ ♌ 0. 0. | aqua. | 7 | 1 | 58 | expected for so |
| 21 | f | ♀ ♈ 18. | aqua. | 19 | 2 | 14 | days, with so |
| 22 | g | ☉ ♈ 17. | pisces | 0 | 2 | 28 | ✶ ♃ ♀ Mi |
| 23 | a | S. George | pisces | 12 | 2 | 41 | drilling Rain |
| 24 | b | Easter-Day. | pisces | 25 | 2 | 53 | □ ♂ ☿ bou |
| 25 | c | St. Mark | aries | 7 | 3 | 5 | 22th, then f |
| 26 | d | ☽ n. pri. ♐ Arier. | aries | 20 | 3 | 16 | ☌ ♃ ☿ low-bu |
| 27 | e | ☽ n. Luc. in Ca. ♈ | taur. | 3 | 3 | 27 | Winds for so |
| 28 | f | ☽ n. Pleiades | taur. | 17 | New | ● | days, and show |
| 29 | g | ☽ n. Aldebaran | gem | 0 | 9 | A. 58 | Weather towa |
| 30 | a | ☽ n. Alhajot | gem | 14 | 10 | 56 | ✶ ♄ ☿ the en |

Moon's Setting.

Moon's Rising.

*Saturn*, at the beginning, sets between 12, and 1, at the end he sets about 11 at Night. *Jupiter* at the beginning is South at Midnight, at the end he is South between 10 and 11, at night. *Mars* sets about 2 in Morning. *Venus* rises between 4 and 5 in the Morning. *Mercury* rises before the Sun, but can scarcely be seen.

| Rom. Kalendar. | Rom. Sts. days. | Forreig. Accom. | Engliſh Accom. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 | b | Julius | | ing of prodigious Rains, | 1 | 5 | 13 | 6 | 47 | |
| 13 | c | Juſtinus | | amongſt the reſt, of its | 2 | | 11 | | 49 | |
| 14 | d | Miſerecor. | | raining Frogs; and offer- | 3 | | 9 | | 51 | |
| 15 | e | Perpetua | | ing at the Probability | 4 | | 7 | | 53 | |
| 16 | f | Cardius | | hereof, ſays, That by the | 5 | | 5 | | 55 | |
| 17 | g | Anicetus | | great Heat of the Sun, the | 6 | | 3 | | 57 | |
| 18 | a | Eluther | | Spawn of Frogs may be | 7 | | 1 | | 59 | |
| 19 | b | Timon | | raiſed into the Clouds, and | 8 | 4 | 59 | 7 | 1 | |
| 20 | c | Victor | | there brought to that ma- | 9 | | 57 | | 3 | |
| 21 | d | Jubilate | | turity, as to become Frogs, | 10 | | 55 | | 5 | |
| 22 | e | Quintin— | | and to be rained down up- | 11 | | 53 | | 7 | |
| 23 | f | S. George | | on us; there muſt ſurely | 12 | | 51 | | 9 | |
| 24 | g | Wilfrid | | be quick diſpatch in thoſe | 13 | | 49 | | 11 | |
| 25 | a | St. Mark | | cold Regions, to what is | 14 | | 47 | | 13 | |
| 26 | b | Cletus | | here below, where this | 15 | 4 | 45 | 7 | 15 | |
| 27 | c | Anaſtaſius | | Spawn, when it begins to | 16 | | 43 | | 17 | |
| 28 | d | Cantate | | move, firſt becomes a Bull- | 17 | | 41 | | 19 | |
| 29 | e | P. Mart | | head or Poll-head, as they | 18 | | 40 | | 20 | |
| 30 | f | Eutropius | | are uſually called, and are | 19 | | 38 | | 22 | |
| May | | S. Phi. & Ja. | | ſix Weeks or more e'er | 20 | | 36 | | 24 | |
| 2 | g | Athanaſius | | they have all their Legs, | 21 | | 34 | | 26 | |
| 3 | a | Inv. Cruci. | | and can properly be called | 22 | 4 | 33 | 7 | 27 | |
| 4 | b | Chriſtoph. | | Frogs: A Shower of Poll-heads | 23 | | 31 | | 29 | |
| 5 | c | Rogation | | would be indeed a prodigious | 24 | | 29 | | 31 | |
| 6 | d | John Po. La. | | Rain; but as for Frogs, they (like | 25 | | 27 | | 33 | |
| 7 | e | Juvenal | | ſo many Eggs ſet at the ſame time) | 26 | | 25 | | 35 | |
| 8 | f | Staniſlaus | | coming many thouſands of them | 27 | | 23 | | 37 | |
| 9 | g | Aſcen. Do. | | together to that maturity of gain- | 28 | | 21 | | 39 | |
| 10 | a | Gordian | | ing Legs much about a time, | 29 | | 20 | | 40 | |
| 11 | b | Mamert. | | come leaping or hoping out of the | 30 | 4 | 18 | 7 | 42 | |

Ponds or ſmall Brooks, where they are

# May hath xxxi Days.

☽ First Quarter the 5th day, at 3 in the afternoon.
● Full Moon the 12th day, at 2 in the afternoon.
☾ Last Quarter the 20th day, at 3 in the afternoon.
● New Moon the 28th day, at 2 in the morning.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | ● | St. Philip and Jac. | gem. | 28 | 12 | 6 | | Windy, with so |
| 2 | c | ☽ n. Cast. & Pol. | canc. | 2 | 0M. | 6 | | drisling Rain |
| 3 | d | ☽ n. Procyon | canc. | 26 | 0 | 50 | | the beginnin |
| 4 | e | ☽ n. Asellos | leo | 10 | 1 | 15 | | □ ♂ ♀ then |
| 5 | f | ☽ n. Cor. Leonis | leo | 24 | 1 | 30 | | and pleasant |
| 6 | g | ☽ n. Luc. Ter. ♌ | virgo | 8 | 1 | 45 | | some days, w |
| 7 | a | ☽ n. Caud. Leo. | virgo | 22 | 2 | 00 | | some misty, fog |
| 8 | ● | 2 Sun. past Easter | libra | 6 | 2 | 12 | | Weather, and |
| 9 | c | ☽ n. Spica Vir. | libra | 20 | 2 | 24 | | bout the 9th d |
| 10 | d | Sol in Gemini | scorp. | 4 | 2 | 36 | | some Showers, |
| 11 | e | Term begins | scorp. | 18 | 2 | 48 | | also about the |
| 12 | f | ☽ n. Cor. Scorp. | sagit. | 1 | Full | ● | | day, with so |
| 13 | g | ☽ n. Dex. hu. Op. | sagit. | 14 | 10A. | ☽ | | brisk Gales |
| 14 | a | ☽ n. Sin. Ma. ♐ | sagit. | 27 | 11 | 2 | | ☌ ♀ ☿ Wi |
| 15 | ♊ | 3 Sun. past Easter | capri. | 9 | 11 | 47 | | then fair weat |
| 16 | b | ♄ ☌ ☽. | capri | 21 | 12 | 14 | | may be expe |
| 17 | c | ☿ ♏ 22. | aqua. | 3 | 0M. | 14 | | for some days, |
| 18 | d | ♂ ♌ 15. | aqua. | 15 | 0 | 28 | | other while so |
| 19 | e | ♀ ♊ 2. | aqua. | 27 | 0 | 41 | | brisk Winds, |
| 20 | f | ☿ ♊ 9 | pisces | 8 | 0 | 52 | | about the |
| 21 | g | ☽ n. Marchab. | pisces | 20 | 1 | 2 | | ☌ ☉ ♀ day, |
| 22 | ♉ | 4 Sun. past Easter | aries | 3 | 1 | 12 | | drisling Rain, t |
| 23 | a | ☽ n. Vent. Cet. | aries | 15 | 1 | 22 | | fair for a time, |
| 24 | b | ☽ n. pri. ✶ ♈ | aries | 28 | 1 | 34 | | about the |
| 25 | c | ☽ n. Manket | taur. | 11 | 1 | 48 | | day begins th |
| 26 | d | ☽ n. Pleiades | taur. | 25 | 2 | 4 | | ☌ ☍ ♀ ☿ W |
| 27 | e | ☽ n. Aldebaran | gem. | 9 | 2 | 25 | | ther, and pr |
| 28 | f | ☽ n. Alhaiot | gem. | 23 | New | ● | | bly some Th |
| 29 | ♋ | K. Ch. II. N. & A. | canc. | 8 | 10A. | 38 | | der therewi |
| 30 | a | ☽ n. Procyon | canc. | 22 | 11 | 12 | | and continues tho |
| 31 | b | ☽ n. Asellos. | leo | 7 | 11 | 40 | | to the end of the |

Moon's Setting.

Moon's Rising.

☽'s Sett.

Saturn *at the beginning sets about* 10, *at the end he sets before* 9 *at Night*; Jupiter *is South between* 9 *and* 10 *at Night, and sets between* 2 *and* 3 *in the morning*: Mars *sets between* 12 *and* 1 *in the morning*: Venus *rises between* 3 *and* 4 *in the morn.* Mercury *towards the end is Combust.*

| Rom. Kalend. | Rom. Sts. days. | | | | | | |
|---|---|---|---|---|---|---|---|
| F | Exaudi | so plentifully bred, and after | 1 | 4 | 16 | 7 | 44 |
| S | Servatius | a warm Evening Shower, the | 2 | | 15 | | 45 |
| S | Boniface | Roads near such Ponds or | 3 | | 13 | | 47 |
| M | Sophia | Brooks, are sometimes so | 4 | | 11 | | 49 |
| T | Peregrin | thick be-sprinkled with | 5 | | 9 | | 51 |
| W | Torpet | them, that one can scarely set | 6 | | 8 | | 52 |
| T | Venant | a Foot besides them: Hence, | 7 | | 7 | | 53 |
| F | Pentecost | some over Credulous Persons | 8 | | 5 | | 55 |
| S | Potentia | have fancied, (or been easily | 9 | | 4 | | 56 |
| S | Helena | perswaded) that it hath been | 10 | 4 | 2 | | 58 |
| M | Hospit. | a Shower of Frogs, and ma- | 11 | 4 | 1 | 7 | 59 |
| T | Desiderius | ny Tricks have been play'd | 12 | 4 | 0 | 8 | 00 |
| W | Esther | to confirm them in such be- | 13 | 3 | 59 | 8 | 1 |
| T | Urban | lief; but all this is little to | 14 | | 58 | | 2 |
| F | Trinity | what is told us by *Tit. Liv.* | 15 | | 57 | | 3 |
| S | Beda V. | *Pliny*, &c. of its Raining | 16 | | 56 | | 4 |
| S | German | Wheat, Milk, Blood, Flesh, | 17 | | 54 | | 6 |
| M | Maximin | Fish, Iron, Wooll, Brick, | 18 | | 53 | | 7 |
| T | Corp. Chr | Stones, &c. all which are | 19 | 3 | 52 | 8 | 8 |
| W | Petronel | probably as true as what is | 20 | | 51 | | 9 |
| T | Pamphil | related out of *Avicenna*, that | 21 | | 50 | | 10 |
| F | 1 S.p. Trin | once on a time, a Calf fell | 22 | | 49 | | 11 |
| S | Marcell | out of the Skie; *Semnertus* | 23 | | 48 | | 12 |
| S | Petroch. | speaking hereof saith, it is | 24 | 3 | 47 | | 13 |
| M | Boniface | incredible, that Animals, | 25 | | 46 | 8 | 14 |
| T | Artemius | great Stones, &c should be | 26 | | 45 | | 15 |
| W | Wolstan | generated or bred in Clouds | 27 | | 45 | | 15 |
| T | Medardus | or Air; but that possibly | 28 | | 44 | | 16 |
| F | 2 S.p. Tr | some such things may have | 29 | | 44 | | 16 |
| S | Getulius | been by Whirlwinds, caught | 30 | | 43 | | 17 |
| S | St. Barnab | up | 31 | 3 | 43 | 8 | 17 |

☾ First Quarter the 3d day at 8 at night.
● Full Moon the 11th day at 4 in the morning.
☾ Last Quarter the 19th day at 8 in the morning.
● New Moon the 26th day at 9 in the morning.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | ☽ n. Cor Leon. | leo | 21 | 12 | 00 | Moons Setting | Some |
| 2 | | Ascension Day. | virgo | 5 | 0 | Moo | | ✶ ☉ ♂ |
| 3 | | ☽ n. Caud. Leon | virgo | 19 | 0 | 10 | | △ ♃ ♀ |
| 4 | | ☽ n. Vindemiat | libra | 3 | 0 | 20 | | at the beg |
| 5 | | ☉ Sun. p. Easter | libra | 16 | 0 | 30 | | followed w |
| 6 | | Term ends | scorp. | 0 | 0 | 40 | | weather, a |
| 7 | | ☽ n. Lanc. Bor. | scorp. | 13 | 0 | 54 | | drifling Ra |
| 8 | | ☽ n. Sup. Fro. ♓ | scorp. | 27 | 1 | 12 | | bout the 8t |
| 9 | | ☽ n. Cor. Scorp. | sagit. | 10 | 1 | 34 | | then, follo |
| 10 | | ☉ ☌ ☽ in Cancer | sagit. | 22 | 2 | 00 | | ☐ ♃ ☿ |
| 11 | | St. Barnabas | capric. | 5 | Full | | | ♂ ☉ ♀ w |
| 12 | | Whit. Sunday | capric. | 17 | 10 | A 9 | | afterwards |
| 13 | | ♄ ☍ ☉. | capric. | 29 | 10 | 25 | | and fultry |
| 14 | | ☿ ☌ ♊ 18. | aquar. | 11 | 10 | 40 | Moons Rising | ther for |
| 15 | | Ember Week | aquar. | 23 | 10 | 54 | | ♂ ♄ ♀ |
| 16 | | ♂ ♍ 1. | pisces | 4 | 11 | 4 | | ♂ ☉ ♄ |
| 17 | | ♀ ☍ 8. | pisces | 16 | 11 | 14 | | ſome drif |
| 18 | | ☉ ☌ ♌ 1. | pisces | 28 | 11 | 24 | | Rain; bu |
| 19 | | Trinity Sunday | aries | 10 | 11 | 34 | | hour the |
| 20 | | ☽ n. ☿ ✶ Ar. | aries | 23 | 11 | 44 | | 20th days, |
| 21 | | ☽ n. Manker | taur. | 6 | 12 | 00 | | ſhowery w |
| 22 | | ☽ n. Pleiades | taur. | 19 | 0 | Moo | | and contin |
| 23 | | ☽ p. Aldebaran | gem. | 3 | 0 | 22 | | ſhowery, |
| 24 | | St. John Baptift | gem. | 17 | 0 | 54 | | Term be |
| 25 | | ☽ n. Luc Ped. ♊ | canc. | 2 | 1 | 42 | | Thunder a |
| 26 | | ☉ Sun. p. Trin. | canc. | 17 | New | | | ✶ ♄ ♂ |
| 27 | | ☽ n. Aſellos | leo | 1 | 9 | A 34 | | New Moo |
| 28 | | ☽ n. Cor. Leon. | leo | 16 | 9 | 54 | | is followe |
| 29 | | St. Peter | virgo | 1 | 10 | 10 | | ſome cooli |
| 30 | | ☽ n. Caud Leon. | virgo | 15 | 10 | 23 | | gales of w |

Rom. Kalend. Moon's Aspects & Eys.

*Saturn and Venus go to Combustion, and continue hid under the* Sun *Beams:* Jupiter *sets between* 12 *and* 1 *in the morning:* Mars *sets between* 11 *and* 12 *at night:* Mercury *having emerged from under the* Sun *Beams, sets about half an hour past* 9 *at Night.*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| h | Anthony | up in one place, and let fall | 1 | 3 | 43 | 8 | 17 |
| f | Cyrillus | or thrown down in another. | 2 | | 43 | | 17 |
| n | Valerius | I also hinted in my last, that | 3 | | 42 | | 18 |
| f | Virus | as Thunder and Lightening | 4 | | 42 | | 18 |
| ☌ | 3 S. p. Tr. | were caused by Nitrous and | 5 | | 42 | | 18 |
| ☍ | Botolph | Sulphureous Particles, being | 6 | | 42 | | 18 |
| a | Marcus | inclosed, pent up, and at last | 7 | | 41 | | 19 |
| h | Gervase | fired in the body of a Cloud, | 8 | | 41 | | 19 |
| c | Regina | so Earthquakes were caused | 9 | | 41 | | 19 |
| h | Walburg. | by Sulphureous, Nitrous and | 10 | 3 | 41 | 8 | 19 |
| ☍ | Alban | Bituminous substances, burn- | 11 | | 41 | | 19 |
| ☌ | 4 S. p. Tr. | ing in the Bowels of the | 12 | | 41 | | 19 |
| ☍ | St. Jo. Bap. | Earth; and this seems very | 13 | | 41 | | 19 |
| a | Amandus | agreeable to what is, and | 14 | | 42 | | 18 |
| h | Jeremias | hath been generally obser- | 15 | | 42 | | 18 |
| c | Sept. Dor. | ved, where are, or have been | 16 | | 42 | | 18 |
| h | Leo Pap. | so frequent Earthquakes; as | 17 | | 42 | | 18 |
| ☍ | St. Peter | in those Countries where are | 18 | | 43 | 8 | 17 |
| ☌ | 5 S. p. Tr. | those burning Mountains, or | 19 | 3 | 43 | | 17 |
| ☍ | Tr. Sirith. | other *Vulcano*'s; such as the | 20 | | 44 | | 16 |
| ☍ | Visit V. M | *Sulfatara* and *Vesuvius*, in the | 21 | | 44 | | 16 |
| ☍ | Cornelius | further parts of *Italy*, Mount | 22 | | 45 | | 15 |
| ☍ | Ulricus | *Ætna*, and others in *Sicily*; | 23 | | 45 | | 15 |
| ☍ | Anselm | how often at this day, do we | 24 | 3 | 46 | | 14 |
| ☍ | Tranquil. | hear of Earthquakes in the | 25 | | 46 | 8 | 14 |
| ☌ | 6 S. p. Tr. | further parts of *Italy*, and al- | 26 | | 47 | | 13 |
| ☍ | Grimb. | so in *Sicily*; and in Antient | 27 | | 48 | | 12 |
| ☍ | Cyrillus | Histories, as *Seneca*'s *Nat.* | 28 | | 49 | | 11 |
| ☍ | 7 Frat. | *Quest.* where he relates how | 29 | | 50 | | 10 |
| ☍ | Benedict. | *Campania* trembled for seve- | 30 | 3 | 51 | 8 | 9 |

☽ First Quarter the 3d day at 2 in the morning.
● Full Moon the 10th day at 6 in the afternoon.
☾ Last Quarter the 18th day at 9 in the morning.
● New Moon the 25th day at 5 in the afternoon.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | G | ☽ n. Vindemiat | virgo | 29 | 10 | A | 34 | Fair an |
| 2 | A | ☽ n. Spica Virg. | libra | 13 | 10 | | 4 | weather, |
| 3 | B | ☉ Sund. p. Trin. | libra | 27 | 10 | | 55 | □ ☉ ☿ |
| 4 | c | ☽ n. Lanx Aust. | scorp. | 10 | 11 | | 5 | misty mor |
| 5 | d | ☽ n. Lanx Bor. | scorp | 23 | 11 | | 23 | and abou |
| 6 | e | ☽ n. Cor. scorp | sagit. | 6 | 11 | | 56 | time some |
| 7 | f | ☽ n. Dex Hu. ♂ | sagit. | 19 | 12 | | 41 | Winds are |
| 8 | g | ☽ n. Sin. Man. ♄ | capric. | 1 | ☉ | M | 41 | ed; but ab |
| 9 | A | ☽ n. Cap. sagit. | capric. | 13 | 1 | | 36 | 8th or 9t |
| 10 | B | ☉ Sund. p. Trin. | capric. | 25 | Full | | ● | showers o |
| 11 | c | ☉ Sol in Leo | aquar. | 7 | 8 | A | 45 | and probabl |
| 12 | d | ♄ ♒ 9. | aquar. | 19 | 8 | | 55 | der thereui |
| 13 | e | Term ends | pisces | 1 | 9 | | 5 | follows fa |
| 14 | f | ☿ ♎ 23. | pisces | 13 | 9 | | 15 | good weath |
| 15 | g | St. Swithin | pisces | 25 | 9 | | 25 | some coolin |
| 16 | A | ♂ ♍ 19. | aries | 7 | 9 | | 35 | of Wind, |
| 17 | B | ☉ Sund. p. Tr. | aries | 19 | 9 | | 47 | ☾ ♀ ☿ |
| 18 | c | ♀ ♌ 16. | taur. | 1 | 10 | | 5 | seasonable |
| 19 | d | ☿ ♌ 15. | taur. | 14 | 10 | | 27 | good wea |
| 20 | e | ☽ n. Pleaides | taur. | 28 | 10 | | 53 | these day |
| 21 | f | ☽ n. Aldebaran | gem. | 11 | 11 | | 24 | But about |
| 22 | g | ☽ n. Dex. Hu. ♃ | gem. | 25 | 12 | | 22 | or 23d day |
| 23 | A | ☽ n. Cast. & Pol. | canc. | 10 | 0 | | 22 | ers of R |
| 24 | B | ☉ Sund. p. Trin. | canc. | 25 | 1 | | 40 | ☌ ☉ ♀. |
| 25 | c | St. James | leo | 10 | New | | ● | expected; |
| 26 | d | ☽ n. Cor. Leon. | leo | 25 | 8 | A | 10 | fair for |
| 27 | e | ☽ n. Caud. Leon | virgo | 10 | 8 | | 22 | and also h |
| 28 | f | ☽ n. Sin. Ala. ♍ | virgo | 25 | 8 | | 34 | towards t |
| 29 | g | ☽ n. Vindemiat | libra | 9 | 8 | | 46 | showers o |
| 30 | A | ☽ n. Spica Virg. | libra | 23 | 8 | | 58 | and high |
| 31 | B | ☉ Sund. p. Trin | scorp. | 7 | 9 | | 10 | are expect |

Moons Setting. Moons Rising. ☾ s Setting.

Rom. Kalend. *Saturn emergeth from under the Sun Beams, and riſeth before him*; Jupiter *ſets between* 10 *and* 11 *at night*: Mars *ſets between* 9 *and* 10 *at Night*: Venus *emergeth from under the Sun Beams, and ſets a little after him*: Mercury *at the beginning ſets after the Sun, at the end he is Combuſt.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Nab. &c. | ral days together; and *Livy* | 13 | 52 | 8 | 8 |
| Anathet. | writes thus, (as quoted by | 2 | | 53 | | 7 |
| 7 S. p. Tr. | *Sennertus*,) that in the begin- | 3 | | 54 | | 6 |
| Swithin | ning of the Year, when *L.* | 4 | | 55 | | 5 |
| Kenelm | *Cornelius*, and *Q. Minutius* | 5 | | 56 | | 4 |
| Hilarius | were Conſuls, there were ſo | 6 | | 58 | | 2 |
| Alexius | many reports of Earthquakes | 7 | | 59 | | 1 |
| Matermus | that Men were weary, not | 8 | 4 | 00 | 8 | 00 |
| Margaret | only of the thing it ſelf, but | 9 | 4 | 1 | 7 | 59 |
| 8 S. p. Tr. | of the many Solemn Days ap- | 10 | | 3 | | 57 |
| Mar. Mag | pointed becauſe of the ſaid | 11 | | 5 | | 55 |
| Apollon | Earthquakes: And the ſame | 12 | | 6 | | 54 |
| Chriſtina | Author alſo relates, that | 13 | | 7 | | 53 |
| St. James | there was an Earthquake for | 14 | | 9 | | 51 |
| Anna | 40 days together. *Pliny* alſo | 15 | 4 | 10 | 7 | 50 |
| Martha | relates, that in the Reign of | 16 | | 11 | | 49 |
| 9 S. p. Tr. | *Tiber. Cæſar* 12 Cities in *Aſia* | 17 | | 13 | | 47 |
| Felix | were in 1 Night overthrown | 18 | | 15 | | 45 |
| Abdon | by an Earthquake; and Ac- | 19 | | 17 | | 43 |
| German | counts of many others are | 20 | | 18 | | 42 |
| Lammas | frequently met with in Hi- | 21 | | 20 | | 40 |
| Moſes | ſtory: Some offering at the | 22 | 4 | 21 | 7 | 39 |
| Ariſtarch. | cauſe of Earthquakes, will | 23 | | 22 | | 38 |
| 10 S. p. Tr. | tell you ſtrange Stories of a | 24 | | 24 | | 36 |
| Feſt Nivis | ſort of Infernal Spirits that | 25 | | 26 | | 34 |
| Sixtus | are the cauſe of them; others | 26 | | 28 | | 32 |
| Cyriacus | will tell you of they know | 27 | | 30 | | 30 |
| Roman | not what, Wind and Exha- | 28 | | 31 | | 28 |
| Theodoſ. | lations incloſed in the Caves | 29 | | 34 | | 26 |
| Lawrence | and Caverns of the Earth, | 30 | | 36 | | 24 |
| 11 S. p. Tr. | | 31 | 4 | 38 | 7 | 22 |

# August hath XXXI days.

☽ First Quarter the 1st day at 10 in the morning.
● Full Moon the 9th day at 10 in the morning.
☽ Last Quarter the 17th day at 9 in the morning.
● New Moon the 23d day at midnight.
☽ First Quarter the 30th day at midnight.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | c | Lammas-day | ſcorp. | 20 | 9 | A 28 | | Some Th |
| 2 | d | ☽ n. Cor Scorp. | ſagit. | 3 | 10 | 00 | Moons Setting | ſhowers are e |
| 3 | e | ☽ n. Dex. H.O. | ſagit. | 16 | 10 | 40 | | ed at the begi |
| 4 | f | ☽ n. ſin. Man. ♐ | ſagit. | 28 | 11 | 36 | | then fair and |
| 5 | g | ☽ n. Cap. ſagit. | capric. | 10 | 12 | 41 | | dy for a tim |
| 6 | a | ☽ n. Auſt. C. ♑ | capric. | 22 | 0 | M 41 | | about the 8 |
| 7 | b | 7 Sund. p. Trin. | aquar. | 4 | 1 | 54 | | 9th days, |
| 8 | c | ♄ ♋ 12. | aquar. | 16 | 3 | 15 | | * ♄ ☿. * |
| 9 | d | ☿ ♎ 27. D. | aquar. | 28 | Full | ● | | driſling rain |
| 10 | e | St. Lawrence | piſces | 10 | 7 | A 34 | | be expected; |
| 11 | f | ♂ ♎ 5. | piſces | 22 | 7 | 46 | | 'tis hoped w |
| 12 | g | Sol in Virgo | aries | 4 | 7 | 58 | | have fair and |
| 13 | a | ☿ ♍ 18. | aries | 16 | 8 | 10 | | Harveſt wea |
| 14 | b | 8 Sund. p. Trin. | aries | 28 | 8 | 22 | | till about |
| 15 | c | ☿ ♌ 16. | taur. | 11 | 8 | 34 | Moons Riſing | 17th day, |
| 16 | d | ☽ n. Pleiades | taur. | 23 | 8 | 47 | | is expected t |
| 17 | e | ☽ n. Aldebaran | gem. | 6 | 9 | 10 | | duce cool w |
| 18 | f | ☽ n. Alhaiot | gem. | 20 | 10 | 4 | | with driſling |
| 19 | g | ☽ n. luc. ped. ♊ | canc. | 4 | 11 | 22 | | and that it |
| 20 | a | ☽ n. Caſt. & Pol. | canc. | 18 | 12 | 46 | | continue ſho |
| 21 | b | 9 Sund. p. Trin | leo | 3 | 0 | M 46 | | and other-w |
| 22 | c | ☽ n Cor. Leon. | leo | 18 | 2 | 00 | | high winds |
| 23 | d | ☽ n. L. in T. ♌ | virgo | 3 | New | ● | | * ♃ ☌. |
| 24 | e | St. Bartholom. | virgo | 19 | 6 | A 48 | | □ ♄ ♂. |
| 25 | f | ☽ n. Vindemat. | libra | 4 | 7 | 03 | ☽s ſet. | Now ſom |
| 26 | g | ☽ n. Spica Virg. | libra | 18 | 7 | 18 | | Gales are |
| 27 | a | ☽ n. Lanx Auſt. | ſcorp. | 3 | 7 | 36 | | * ☉ ♄ e |
| 28 | b | 10 Sund. p. Tr. | ſcorp. | 16 | 7 | 56 | | the 28th |
| 29 | c | ☽ n. Cor. Scorp. | ſagit. | 0 | 8 | 18 | | 29th days |
| 30 | d | ☽ n. Dex Hu. O. | ſagit. | 13 | 8 | 46 | | duce rain, |
| 31 | e | ☽ n. Sin Man. ♐ | ſagit. | 25 | 9 | 40 | | * ♄ ☿. alſo |

Saturn *rises between* 12 *and* 1 *in the morning*: Jupiter *sets between* 8 *and* 9 *at night*. Mars *sets about an hour after the* Sun: Venus *sets a little before* Mars: Mercury *rises towards the middle of the Month, two hours before the* ☉, *and therefore may be easily seen.*

| Rom. Kal. | Rom. Sundays. | | | | | | |
|---|---|---|---|---|---|---|---|
| a | | Clare V. | and endeavouring to break | 1 | 4 39 | 7 21 | |
| b | | Hippol. | forth, find some narrow pas- | 2 | 41 | 19 | |
| c | | Eusebius | sage, and are thereby the | 3 | 42 | 18 | |
| d | | Af. Mary | cause of Earthquakes: But | 4 | 44 | 16 | |
| e | | Rothus | what can so Naturally pro- | 5 | 46 | 14 | |
| f | | Agapite | duce such effects as these | 6 | 48 | 12 | |
| g | 12 S.p.Tr. | | subterranean Fires, which | 7 | 50 | 10 | |
| h | | Chutan | have burnt for so many Ages, | 8 | 52 | 8 | |
| i | | Fausta | these Fires meeting some- | 9 | 54 | 6 | |
| k | | Privat. | times with greater quantities | 10 | 56 | 4 | |
| l | | Symphor | of those Nitrous, Sulphure- | 11 | 4 58 | 7 2 | |
| m | | Zachæus | ous, and Bituminous substan- | 12 | 5 00 | 7 00 | |
| n | | St. Bartho. | ces, do then cause those vio- | 13 | 2 | 6 58 | |
| o | 13 S. p. Tr. | | lent Explosions or Eruptions | 14 | 3 | 57 | |
| p | | Severius | which often shake not only | 15 | 5 | 55 | |
| q | | Ruffus | the Countrys thereabout, but | 16 | 7 | 53 | |
| r | | Augustine | also other parts of the Earth | 17 | 8 | 52 | |
| s | | De. J. Bap. | at a great distance; yet some- | 18 | 10 | 6 50 | |
| t | | Felix | times, tho' great quantities | 19 | 12 | 48 | |
| u | | Paulinus | of this Combustible matter | 20 | 5 14 | 40 | |
| x | 14 S. p. Tr. | | be enkindled and set on Fire, | 21 | 16 | 44 | |
| y | | Anthony | as often appears by the ex- | 22 | 18 | 42 | |
| z | | Mamert | traordinary roaring & smoak- | 23 | 20 | 40 | |
| A | | Theodosia | ing of those prodigious *Vul- | 24 | 22 | 38 | |
| B | | Moses | cano's*, there follows no vio- | 25 | 5 24 | 6 36 | |
| C | | Magnus | lent Eruption or Explosion; | 26 | 26 | 34 | |
| D | | Regina | for this burning matter lying | 27 | 28 | 32 | |
| E | 15 S.p.Tr. | | vastly deep, is sometimes | 28 | 30 | 30 | |
| F | | Gorgon | Stifled or Choaked under | 29 | 32 | 28 | |
| G | | Hilar. P. | Ground; and then happens | 30 | 5 34 | 6 26 | |
| a | | Felix | only | 31 | 36 | 24 | |

● Full Moon the 8th day at 2 in the morning.
☾ Last Quarter the 15th day at 7 at night.
● New Moon the 22d day at 9 in the morning.
☽ First Quarter the 29th day at 2 in the afternoon.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | F | | ☽ n. Cap. ſagit. | capric. | 7 | 10 A | 46 | Moons Setting. | Some driſli |
| 2 | G | | ☽ n. Auſt. C. ♑ | capric. | 19 | 11 | 54 | | the beginni |
| 3 | A | | ☽ n. L. Man. ♒ | aquar. | 1 | 1 | 6 | | which is foll |
| 4 | B | | 1 Sund. p. Tr. | aquar. | 13 | 1M | 6 | | □ ♄ ☿ with |
| 5 | C | | ☽ n. Os Pegaſi | aquar. | 25 | 2 | 20 | | ☌ ☉ ☿ wind |
| 6 | D | | ☽ n. Dex. Br. ♒ | piſces | 7 | 3 | 36 | | rough weath |
| 7 | E | | ☽ n. Marchab. | piſces | 19 | 4 | 54 | | and is expec |
| 8 | F | | ☽ n. Algenib. | aries | 1 | Full | ● | | continue wi |
| 9 | G | | ☽ n. Veſt. Cet. | aries | 13 | 6A | 16 | | and ſhowery |
| 10 | A | | ☽ n. Pr. ✱ Ar. | aries | 25 | 6 | 28 | | ſeveral days, |
| 11 | B | | 12 Sund. p. Tr. | taur. | 8 | 6 | 40 | | Now 'tis |
| 12 | C | | ☉ Sol in Libra | taur. | 20 | 6 | 56 | | we may have |
| 13 | D | | ☽ n. Aldebaran | gem. | 3 | 7 | 26 | | weather ſoo |
| 14 | E | | ☽ n. Alhaiot | gem. | 16 | 8 | 06 | | ☌ ☌ ♀ |
| 15 | F | | ☽ n. Luc Ped. ♊ | canc. | 0 | 9 | 06 | | time; but abo |
| 16 | G | | ☽ n. Caſt. & Pol. | canc. | 13 | 10 | 30 | | 15th day ſh |
| 17 | A | | ☽ n. Procyon. | canc. | 27 | 12 | 04 | | □ ♄ ♀ w |
| 18 | B | | 13 Sund. p. Tr. | leo | 12 | ☌Mo | 4 | | returns, foll |
| 19 | C | | ☽ n. Cor. Leon. | leo | 27 | 1 | 38 | | with high w |
| 20 | D | | ♄ ♐ 16, | virgo | 12 | 3 | 11 | | ☌ ♃ ♀ the |
| 21 | E | | St. Matthew | virgo | 27 | 4 | 44 | | weather for |
| 22 | F | | ♃ ♍ 5. | libra | 12 | New | ● | | days, with |
| 23 | G | | ☌ ♍ 4. | libra | 27 | 5A | 44 | | ☌ ♃ ☌ mo |
| 24 | A | | ♀ ♍ 10. | ſcorp. | 11 | 6 | 3 | Moons ſetting. | but about th |
| 25 | B | | 14 Sund. p. Tr. | ſcorp. | 25 | 6 | 30 | | ſome ſhowe |
| 26 | C | | ☿ ♎ 18. | ſagit. | 8 | 7 | 01 | | rain, with fr |
| 27 | D | | ☽ n. Dex. Hu. ♑ | ſagit. | 21 | 7 | 39 | | miſty morn |
| 28 | E | | ☽ n. Sin. Man. ♒ | capric. | 4 | 8 | 34 | | & warm afte |
| 29 | F | | St. Michael | capric. | 16 | 9 | 48 | | and the end |
| 30 | G | | ☽ n. Bor. C. ♑ | capric. | 28 | 11 | 04 | | month, win |

Saturn *at the beginning riseth between* 11 *and* 12, *at the end he rises at* 10 *at night*: Jupiter, Mars, *and* Venus, *in the midst of the Month are all very near together, and set a little after the Sun; their Conjunctions will be well worth Observation.* Mercury *at the beginning is Combust.*

| Rom. Kalend. | Rom. Sts. day's | Vul. Account. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 | e | | Guido | only a Tremor, ſtruggle, or | 1 | 5 | 38 | 6 | 22 |
| 13 | f | | Amatus | gentle ſwaying of the Earth, | 2 | 2 | 4 | | 20 |
| 14 | g | | Exalt.Cru | but no great ſhogg; as in that | 3 | | 42 | | 18 |
| 15 | a | | 16 S. p. Tr. | Earthquake which hapned | 4 | | 44 | | 16 |
| 16 | b | | Edith | the 8th of *September*, 1692. | 5 | | 46 | | 14 |
| 17 | a | | Lampert. | I was then in *London*, and at a | 6 | | 48 | | 12 |
| 18 | b | | Feriolus | Friends Houſe in the *Strand*; | 7 | | 50 | | 10 |
| 19 | c | | Januarius | it was only a gentle ſwaying | 8 | | 52 | 6 | 8 |
| 20 | d | | Fauſta | to and fro, and continued for | 9 | 2 | 54 | | 6 |
| 21 | e | | St. Matth | ſome Seconds of time, it hap- | 10 | | 56 | | 4 |
| 22 | f | | 17 S. p. Tr. | ned a little after two in the | 11 | | 58 | | 2 |
| 23 | g | | Tecla V. | afternoon, when as many be | 12 | 6 | 00 | 6 | 00 |
| 24 | a | | Rupert | ing at Dinner fancied them | 13 | | 2 | 5 | 58 |
| 25 | b | | Cleoph. | ſelves to be taken with a | 14 | | 4 | | 56 |
| 26 | c | | Cyprian | ſwimming or giddineſs in | 15 | | 6 | | 54 |
| 27 | d | | Coſ.&Dn. | their Heads; I heard of no | 16 | 2 | 8 | | 52 |
| 28 | e | | Wenceſla. | further harm done there, | 17 | | 10 | | 50 |
| 29 | f | | St. Micha | that only 2 or 3 Chimneys | 18 | 1 | 12 | | 48 |
| 30 | g | | Hierom | thrown down; thoſe perſons | 19 | | 14 | | 46 |
| Oct. | | | Remigius | that were walking, eſpeci- | 20 | 5 | 16 | 5 | 44 |
| 2 | b | | Leodeg. | ally in the Streets, were | 21 | | 19 | | 41 |
| 3 | c | | Maximin. | ſcarcely ſenſible of it. But | 22 | | 21 | | 39 |
| 4 | d | | Francis | another Earthquake I well | 23 | 2 | 23 | | 37 |
| 5 | e | | Conſtance | remember, which was the | 24 | | 25 | | 35 |
| 6 | f | | 19 S. p. Tr. | 6th day of *October*, 1683. | 25 | 6 | 27 | 5 | 32 |
| 7 | g | | Marc, &c | near 11 at night, I was then | 26 | | 30 | | 30 |
| 8 | a | | Pelagia | at a Neighbours Houſe in | 27 | | 32 | | 28 |
| 9 | b | | Dionyſius | this Country, where ſitting | 28 | 2 | 34 | | 26 |
| 10 | c | | Burchard | with 4 or 5 more in Com- | 29 | | 36 | | 24 |
| 11 | d | | Gideon | pany, after a roaring noiſe, | 30 | 6 | 38 | | 22 |

and

● Full Moon the 7th day at 6 at night.
☾ Last Quarter the 14th day at 4 in the morning.
● New Moon the 21st day at 7 at night.
☾ First Quarter the 29th day at 10 in the morning.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | g | ☽n. Sin. Hu. | ♒ | aquar. | 10 | 12 | 23 | | ☌ ☿ ☿ Wind |
| 2 | A | ☿ Sun. p. Tr. | | aquar. | 22 | 0M | 23 | | with drſling ra |
| 3 | b | ☽n. Dex. B. | ♓ | piſces | 3 | 1 | 36 | | at the begi |
| 4 | c | ☽n. Marchab | | piſces | 15 | 2 | 49 | | ☌ ☌ ☿ ning |
| 5 | d | ☽n. Caud. Ceti. | | piſces | 27 | 4 | 00 | | Now ſome fog |
| 6 | e | ☽n. Algenib | ♈ | aries | 9 | 5 | 15 | | mornings, follow |
| 7 | f | ☽n. Pr. ✶ Ar. | | aries | 22 | Full | ● | | ed with ſhowe |
| 8 | g | ☽n. Manker | ♉ | taur. | 4 | 4A | 52 | | △ ♄ ☿ and othe |
| 9 | A | ☌ Sund. p. Tr. | | taur. | 17 | 5 | 14 | | whiles high win |
| 10 | b | ♄ ☍ ☽ 17 ℞. | | gem. | 0 | 5 | 40 | | then fair for a |
| 11 | c | ♃ ♏ 9. | | gem. | 13 | 6 | 25 | | △ ♄ ☌ time, b |
| 12 | d | Sol in Scorpio | | gem. | 26 | 7 | 10 | | ſoon turns to ſho |
| 13 | e | ☌ ♏ 18 | | cane. | 10 | 8 | 10 | | ers; and about t |
| 14 | f | ☿ ♐ 4. | | cane. | 24 | 9 | 40 | | 14th day ſome c |
| 15 | g | ☿ ♏ 25. | | leo | 7 | 11 | 14 | | and ſtormy we |
| 16 | A | ☽ Sund. p. Tr. | | leo | 22 | 12 | 48 | | ther; after whi |
| 17 | b | ☽n. Luc. in T. | ♍ | virgo | 6 | 0M | 48 | | we expect clou |
| 18 | c | St. Luke | | virgo | 21 | 2 | 20 | | and cloſe weath |
| 19 | d | ☽n. Vindemiat | ♎ | libra | 6 | 3 | 52 | | for ſome days |
| 20 | e | ☽n. Spica Virg. | | libra | 20 | 5 | 23 | | and about the |
| 21 | f | ☽n. Lanc. Auſt. | ♏ | ſcorp. | 3 | New | ● | | New Moon, c |
| 22 | g | ☽n. Lanx Bor. | | ſcorp. | 19 | 4A | 25 | | Rain or Sno |
| 23 | A | ☽ Sund. p. Tr. | ♐ | ſagit. | 3 | 4 | 54 | | then miſty a |
| 24 | b | Term Begins | | ſagit. | 16 | 5 | 40 | | ☌ ☉ ☿ foggy w |
| 25 | c | ☽n. in Fram | | ſagit. | 29 | 6 | 33 | | ther for ſome |
| 26 | d | ☽n. Pon. in C. | ♑ | capric. | 12 | 7 | 35 | | days, and towa |
| 27 | e | ☽n Auſt. C. | | capric. | 24 | 8 | 40 | | the end of t |
| 28 | f | St. Sim. & Jude | | aquar. | 6 | 9 | 55 | | △ ☉ ♄ Mon |
| 29 | g | ☽n. in. Fum. | ♒ | aquar. | 18 | Pr | 15 | | we may exp |
| 30 | A | ☽ Sund. p. Tr. | ♓ | piſces | 0 | 12 | 36 | | high and cold |
| 31 | b | ☽n. Marchab | | piſces | 12 | 0M | 36 | | Winds. |

Moons Kiling.

Moons Bering.

Saturn *riseth about* 9 *at Night, and is South about* 5 *in the Morning:* Jupiter *is hid going to Combustion,* Mars *and* Venus *set a little after the* Sun, *as also doth* Mercury; *but towards the end,* Mars *and* Mercury *can scarcely be seen.*

| Kom. Kalend. | For. Account. | Kom. Sts. days. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 | ☾ | Colman | and a tremor or shaking for | 1 | 6 | 40 | 5 | 20 |
| 13 | ♈ | 20 S. p. Tr. | some short time, the Earth- | 2 | 11 | 42 | | 18 |
| 14 | ♉ | Calixtus | quake ended with a great | 3 | | 44 | | 16 |
| 15 | ♊ | Hedwig | shogg, which made one or | 4 | | 46 | | 14 |
| 16 | ♋ | Gallus | two of the Company shriek | 5 | | 48 | | 12 |
| 17 | ☾ | Florent | out, and we could plainly | 6 | | 50 | | 10 |
| 18 | ♌ | St. Luke | see the Chimney-piece and | 7 | | 52 | | 8 |
| 19 | ☾ | Ptolomy | Walls give, as it were a great | 8 | | 54 | | 6 |
| 20 | ♍ | 21 S. p. Tr. | Nod forward, and to return | 9 | | 56 | | 4 |
| 21 | ♎ | 40 Vir. M. | back. Now when such great | 10 | 6 | 58 | 5 | 2 |
| 22 | ♏ | Cordula | shogs happen, we may con- | 11 | 7 | 00 | 5 | 00 |
| 23 | ♐ | Roman | clude, there hath been in | 12 | 7 | 2 | | 58 |
| 24 | ☾ | Salome | some of those prodigious | 13 | | 4 | | 56 |
| 25 | ♑ | Crispin | Vulcano's, a great Eruptio- | 14 | | 6 | | 54 |
| 26 | ☾ | Amandus | on; for when grrater quan- | 15 | | 8 | | 52 |
| 27 | ♒ | 22 S. p. Tr. | tities of this Combustible | 16 | | 10 | | 50 |
| 28 | ♓ | St. Si. & Ju. | matter happens to be set on | 17 | | 12 | | 48 |
| 29 | ♈ | Narcissus | Fire, the Air within being | 18 | | 14 | | 46 |
| 30 | ♉ | Theon. | so mightily rarified, that it | 19 | | 16 | | 44 |
| 31 | ☾ | Wolfgan | requires a further expansion, | 20 | 7 | 18 | 5 | 42 |
| Nov. | | All Saints | from hence comes a mighty | 21 | | 20 | | 40 |
| 2 | ☾ | All Souls | striving or struggle within | 22 | | 21 | | 39 |
| 3 | ♊ | 23 S. p. Tr. | the Earth, which is the cause | 23 | | 23 | | 37 |
| 4 | ♋ | Amantius | of the Tremor or shaking; | 24 | | 25 | | 35 |
| 5 | ♌ | Lætus | but at last finding a vent or | 25 | 7 | 27 | 4 | 33 |
| 6 | ♌ | Leonard | passage out, then follows the | 26 | | 29 | | 31 |
| 7 | ☾ | Florent | violent Eruption, which is | 27 | | 31 | | 29 |
| 8 | ♍ | Severus | the cause of the great shogg. | 28 | | 33 | | 27 |
| 9 | ☾ | Theodore | Now tho' Thunder & Light- | 29 | | 35 | | 25 |
| 10 | ♎ | 24 S. p. Tr | ning are terrible and fright- | 30 | 7 | 37 | | 23 |
| 11 | ♏ | Mart. B. | ful | 31 | 7 | 38 | 4 | 22 |

● Full Moon the 6th day at 9 in the morning.
☾ Last Quarter the 13th day at noon.
● New Moon the 20th day at 8 in the morning.
☽ First Quarter the 28th day at 7 in the morning.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | D | All Saints | pisces | 24 | 2 | M | 0 | Moons Ages. | Drifling rain |
| 2 | E | ☽ n. Algenib. | aries | 6 | 3 | | 14 | | ſnow, with co |
| 3 | F | ☽ n. Vent. Ceti | aries | 18 | 4 | | 26 | | and high win |
| 4 | G | ☽ n. Pr. ✱ Ar. | taur. | 0 | 5 | | 39 | | begins the Mon |
| 5 | A | Gun. Pow. Plot. | taur. | 13 | 6 | | 52 | | and about the F |
| 6 | B | ☿ Sund. p. Tr. | taur. | 26 | Full | | ● | | ♂ ♂ ☽ Mo |
| 7 | C | ☽ n. Aldebaran | gem. | 10 | 4 | A | 12 | | high winds, wi |
| 8 | D | ☽ n. Dex. Hu. A | gem. | 23 | 5 | | 00 | | plenty of moiſtu |
| 9 | E | ☽ n. Luc. Ped. ♊ | canc. | 7 | 6 | | 06 | | and ſometimes |
| 10 | F | ☽ n. Caſt. & Pol. | canc. | 20 | 7 | | 27 | | rough and turb |
| 11 | G | ☉ in Sagittary | leo | 4 | 8 | | 56 | | ☌ ☍ ☿ lent ; t |
| 12 | A | ☽ n. Cor. Leon. | leo | 18 | 10 | | 25 | | follows more te |
| 13 | B | 21 Sun. p. Trin. | virgo | 2 | 11 | | 54 | | △ ♄ ♆ pefate w |
| 14 | C | ☽ n. Caud. Leon | virgo | 16 | 1 | | 22 | | ther, with ſo |
| 15 | D | ☽ n. Vindemiat. | libra | 1 | 1 | M | 22 | | moderate froſt |
| 16 | E | ☽ n Spica Virg. | libra | 15 | 2 | | 50 | | and 'tis hoped |
| 17 | F | St. Hugh | libra | 29 | 4 | | 16 | | ☌ ♄ ☿ conti |
| 18 | G | ♄ ☍ 16. R. | ſcorp. | 13 | 5 | | 46 | | till near the N |
| 19 | A | ☿ ♏ 17. | ſcorp. | 27 | 7 | | 16 | | Moon, which |
| 20 | B | 22 Sun. p. Trin. | ſagit. | 11 | New | | ● | | duceth windy |
| 21 | C | ♂ ♃ 16. | ſagit. | 24 | 4 | A | 7 | Moons Setting. | ſtormy, cold, |
| 22 | D | ☿ ♑ 22. | capric. | 7 | 5 | | 00 | | right Winter |
| 23 | E | ☿ ♏ 23. | capric. | 20 | 6 | | 20 | | weather ; now |
| 24 | F | ☽ n. L. in M. ♒ | aquar. | 2 | 7 | | 40 | | hoped we ma |
| 25 | G | ☽ n. ſin. hum. ♒ | aquar. | 14 | 8 | | 56 | | have more t |
| 26 | A | ☽ n. Os Pegaſi | aquar. | 26 | 10 | | 14 | | ✱ ☿ ☿ pe |
| 27 | B | Advent | piſces | 8 | 11 | | 31 | | weather with |
| 28 | C | ☽ n. Marchab | piſces | 20 | 12 | | 48 | | moderate froſts |
| 29 | D | ☽ n. Algenib | aries | 2 | 0 | M | 48 | | wards the end |
| 30 | E | St. Andrew | aries | 14 | 2 | | 04 | | the Month. |

♄ *at the beginning rises about* 8 *at night, and is south about* 4 *in the morn. at the end he is south at* 9. ☿ *emergeth from under the* ☉ *Beams, and rising before him, towards the end may be seen:* ♂ *is hid under the* ☉ *Beams:* ♀ *is our Glorious Evening Star, setting betwixt* 6 *and* 7 *at night:* ☿ *is Combust.*

| For. Account. | Rom. Kalend. | Rom. Sts. days. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | a | | Ludovic. | ful to hear and see, yet Earth- | 1 | 7 | 39 | 4 | 21 |
| 13 | b | | Ascani. | quakes are much more dread- | 2 | | 41 | | 19 |
| 14 | c | | Frederic. | ful: By Lightning we do | 3 | | 43 | | 17 |
| 15 | d | | Leopold | sometimes hear of a House | 4 | | 45 | | 15 |
| 16 | e | | Othmarus | or Tree Fired, or stricken | 5 | | 46 | | 14 |
| 17 | f | 25 S. p. Tr. | | down, or of some few People, | 6 | | 48 | | 12 |
| 18 | g | | Oct. Mart. | or sometimes 2 or 3 Beasts | 7 | | 49 | | 11 |
| 19 | a | | Elizabeth | Killed therewith; but by | 8 | | 51 | | 9 |
| 20 | b | | Eugenius | Earthquakes, whole Cities, | 9 | | 52 | | 8 |
| 21 | c | | Obl. V. M. | Towns and Countries, have | 10 | 7 | 54 | 4 | 6 |
| 22 | d | | Cæcilia | been Overthrown and De- | 11 | | 55 | | 5 |
| 23 | e | | Clement | stroyed; and as the Learne | 12 | | 57 | | 3 |
| 24 | f | 26 S. p. Tr. | | Sir *Francis Bacon* saith in his | 13 | | 58 | | 2 |
| 25 | g | | Catharine | Essays, *As for the great Burn-* | 14 | 8 | 00 | 4 | 00 |
| 26 | a | | Conradus | *ings by Lightning, which are* | 15 | 8 | 1 | 3 | 59 |
| 27 | b | | Gunther | *often in the* West-Indies, *they* | 16 | | 2 | | 58 |
| 28 | c | | Ruffus | *are but narrow, but the two* | 17 | | 4 | | 56 |
| 29 | d | | Saturnus | *great Winding Sheets that bu-* | 18 | | 5 | | 55 |
| 30 | e | | St. Andrew | *ry all things in Oblivion, are* | 19 | | 6 | | 54 |
| Dec. 1 | f | | Advent | *Deluges and Earthquakes: As* | 20 | | 7 | | 53 |
| 2 | g | | Libanus | *for conflagrations & drought,* | 21 | | 8 | | 52 |
| 3 | a | | Cassian | *they do not meerly Dis-people,* | 22 | | 9 | | 51 |
| 4 | b | | Barbara | *but Destroy; but in the other* | 23 | | 10 | | 50 |
| 5 | c | | Sabina | *two Destructions, by Deluge* | 24 | 8 | 11 | 3 | 49 |
| 6 | d | | Nicholas | *and Earthquake, the remnant* | 25 | | 12 | | 48 |
| 7 | e | | Agathon | *of People that happen to be re-* | 26 | | 13 | | 47 |
| 8 | f | 2 S. Adv. | | *served, are commonly Ignorant* | 27 | | 14 | | 46 |
| 9 | g | | Joachim | *and Mountainous People, that* | 28 | | 15 | | 45 |
| 10 | a | | Eulalia | *can give no account of the time* | 29 | | 15 | | 45 |
| 11 | b | | Damasus | *past, so that the Oblivion is all* | 30 | 8 | 16 | 3 | 44 |

one

● Full Moon the 5th day at 11 at night.
☾ Last Quarter the 12th day at 9 at night.
● New Moon the 20th day at 1 in the morning.
☽ First Quarter the 28th day at 3 in the morning.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | f | g | ☽n. Pr. ✱ Ar. | aries | 26 | 3 | M | 20 | Some modera |
| 2 | g | a | ☽n. Manker | taur. | 9 | 4 | | 36 | Froſt at the begi |
| 3 | a | b | ☽n. Pleiades | taur. | 22 | 5 | | 50 | ning, and may ho |
| 4 | b | c | 2 Sund Advent. | gem. | 5 | 7 | | 4 | till about the 6 |
| 5 | c | d | ☽n. Alhaiot | gem. | 19 | Full | ● | | day, then ſome |
| 6 | d | e | ☽n. Luc. Ped. ♊ | canc. | 3 | 3 | A | 40 | yielding is expe |
| 7 | e | f | ☽n. Caſt. & Pol. | canc. | 17 | 5 | | 00 | ed; and about t |
| 8 | f | g | ☽n. Aſellos | leo | 1 | 6 | | 28 | 8th day high wi |
| 9 | g | a | ☽n. Cor. Leon. | leo | 15 | 7 | | 56 | and ſtormy w |
| 10 | a | b | ☉ in Capric. | leo | 29 | 9 | | 26 | ther, after whi |
| 11 | b | c | 3 Sund. Advent | virgo | 13 | 10 | | 56 | ♂ ☉ ♂ ſome fro |
| 12 | c | d | ☽n. Sin. Ala V. | virgo | 27 | 12 | | 20 | weather may |
| 13 | d | e | ☽n. Vindemiat. | libra | 11 | 0 | M | 20 | expected, and |
| 14 | e | f | Ember Week | libra | 25 | 1 | | 47 | bout the 15th |
| 15 | f | g | ☽n. Lanc. Auſt. | ſcorp. | 8 | 3 | | 14 | yielding, then f |
| 16 | g | a | ☽n. Lanc. Bor. | ſcorp. | 23 | 4 | | 40 | low high wi |
| 17 | a | b | ☽n. Cor. Scorp. | ſagit. | 6 | 6 | | 00 | with ſtorms of |
| 18 | b | c | 4 Sund. Advent | ſagit. | 20 | 7 | | 20 | ✱ ☿ ☿. □ ♅ |
| 19 | c | d | ♄ ♎ 13 R. | capric. | 3 | 8 | | 18 | or ſnow, afte |
| 20 | d | e | ♅ ♏ 23. | capric. | 15 | New | ● | | which the f |
| 21 | e | f | St. Thomas | capric. | 28 | 5 | A | 44 | returns, and |
| 22 | f | g | ♂ ♍ 10 | aquar. | 10 | 6 | | 44 | creaſes; yet ab |
| 23 | g | a | ☿ ♐ 28 | aquar. | 22 | 7 | | 48 | ☿ ☉ ♄ the 2 |
| 24 | a | b | ☿ ♑ 1. | piſces | 4 | 8 | | 56 | yielding, wit |
| 25 | b | c | Nativit. Chriſt. | piſces | 16 | 10 | | 6 | rain or ſnow, |
| 26 | c | d | St. Stephen | piſces | 28 | 11 | | 16 | alſo high wi |
| 27 | d | e | St. John | aries | 9 | 12 | | 26 | after which, |
| 28 | e | f | Innocents | aries | 21 | 0 | M | 26 | froſt may pr |
| 29 | f | g | ☽n. Manker | taur. | 4 | 1 | | 45 | bably return, |
| 30 | g | a | ☽n. Pleiades | taur. | 17 | 3 | | 5 | hold to the en |
| 31 | a | b | ☽n. Aldebaran | gem. | 0 | 4 | | 25 | the Month. |

Moons Kling

Moons ſetting

Saturn *at the end is south at midnight*; Jupiter *at the beginning riseth betwixt* 5 *and* 6 *in the morning, at the end he rises about* 4: Mars *is Combust*: Venus *at the end, sets not till* 8 *at night*: Mercury *all this Month riseth before the Sun.*

| For Accounts | Rom. Kalend. | Rom. Sts. days. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 12 | c | Valerius | *one as if none had been left.* The Learned Sir *Thomas Brown* in his *Miscellaneous Tracts*, speaking of the *Dead Sea*, or Lake of *Sodom*, &c. tell us that *Strabo* speaks Naturally of this Lake; *that it was first caused by Earthquakes, by Sulphureous and Bituminous Eruptions arising from the Earth*; but the *Sacred Scripture* makes it plain to have been from a Miraculous Hand, and by a remarkable expression, *Pluit Dominus Ignem, & Sulphur à Domino*; see also *Deuteronomie* 29 *in Ardore Salis*: Burning the Cities, and destroying all things about the Plain, both the Vegetable Nature of Plants, and all Living things; Salting and making Barren the whole soil, and by those Fiery showers kindling and setting loose the Bituminous Mines, swallowing up the Foundations of their Cities, opening the Bituminous Treasures below, and making a Smoak like a Furnace, &c | 1 | 8 | 16 | 3 | 44 |
| 13 | d | Lucia V. | | 2 | | 17 | | 43 |
| 14 | e | Nicasius | | 3 | | 17 | | 43 |
| 15 | f | 3 S. Advent | | 4 | | 18 | | 42 |
| 16 | g | Ananias | | 5 | | 18 | | 42 |
| 17 | a | Lazarus | | 6 | | 18 | | 42 |
| 18 | b | Rufus | | 7 | | 19 | | 41 |
| 19 | c | Loth | | 8 | | 19 | | 41 |
| 20 | d | Ammon | | 9 | | 19 | | 41 |
| 21 | e | St. Thomas | | 10 | 8 | 19 | 3 | 41 |
| 22 | f | 4 S. Advent | | 11 | | 19 | | 41 |
| 23 | g | Victor | | 12 | | 19 | | 41 |
| 24 | a | Ada & Eve | | 13 | | 19 | | 41 |
| 25 | b | Christmas | | 14 | 8 | 18 | | 42 |
| 26 | c | St. Stephen | | 15 | | 18 | | 42 |
| 27 | d | St. John | | 16 | | 18 | | 42 |
| 28 | e | Innocents | | 17 | | 17 | | 43 |
| 29 | f | 1. S. p. Chr. | | 18 | | 17 | | 43 |
| 30 | g | David | | 19 | | 16 | 3 | 44 |
| 31 | a | Silvester | | 20 | 8 | 16 | | 44 |
| 1. | 1710. Circu. | | | 21 | | 15 | | 45 |
| 2 | b | Abel | | 22 | | 15 | | 45 |
| 3 | c | Enoch | | 23 | | 14 | | 46 |
| 4 | d | Methusael | | 24 | | 14 | | 46 |
| 5 | e | 2 S. p. Chr. | | 25 | | 13 | | 47 |
| 6 | f | Epiphany | | 26 | | 12 | | 48 |
| 7 | g | Juliana | | 27 | | 11 | | 49 |
| 8 | a | Echard | | 28 | | 10 | | 50 |
| 9 | b | Marcellus | | 29 | | 9 | | 51 |
| 10 | c | Nicanor | | 30 | 3 | 8 | 3 | 52 |
| 11 | d | Hyginus | | | | 7 | | 53 |

A TABLE shewing how to Purchase a Lease or Annuity (to endure for any number of Years under 33) is wo presently, at Interest upon Interest, at Six in the Hundr and shewing plainly how to discount any Lease in be and the value of the Reversion after any number of Years

| Years of Lease. | Years. | Months. | 10th parts. |
|---|---|---|---|
| 1 | 0 | 11 | 0 |
| 2 | 1 | 9 | 9 |
| 3 | 2 | 8 | 1 |
| 4 | 3 | 5 | 9 |
| 5 | 4 | 2 | 5 |
| 6 | 4 | 11 | 1 |
| 7 | 5 | 7 | 0 |
| 8 | 6 | 2 | 7 |
| 9 | 6 | 9 | 9 |
| 10 | 7 | 4 | 3 |
| 11 | 7 | 10 | 7 |
| 12 | 8 | 4 | 6 |
| 13 | 8 | 10 | 3 |
| 14 | 9 | 3 | 6 |
| 15 | 9 | 8 | 5 |
| 16 | 10 | 1 | 3 |

## The Use and Explanation of the TABLE.

*The first Column towards the left Hand, sheweth the Years of a Lease, or Annuity; and right against each Year, is the Years, Months, and Tenth Parts of a Months Purchase, that such a Lease or Annuity is worth.*

Example.

*Suppose a Lease or Annuity to continue 12 Years, and you would know how many Years Purchase it is worth in present Money, look in the Table for Twelve Years of a Lease to the Left Hand, and against the same you shall find 8, 4, 6, which sheweth that such a Lease is worth 8 Years, 4 Months, and 6 Tenth Parts of a Months Purchase.*

| Years of Lease. | Years. | Months. |
|---|---|---|
| 17 | 10 | |
| 18 | 10 | |
| 19 | 11 | |
| 20 | 11 | |
| 21 | 11 | |
| 22 | 12 | |
| 23 | 12 | |
| 24 | 12 | |
| 25 | 12 | |
| 26 | 13 | |
| 27 | 13 | |
| 28 | 13 | |
| 29 | 13 | |
| 30 | 13 | |
| 31 | 13 | |
| 32 | 14 | |

## AGAIN,

If you are to take or buy the Reversion of any Lease or nuity, work thus: Suppose the Lease to be thirty Years i you find in the Second Table and Right Hand against Th 13 Years, 9 Months, and 2 Tenth Parts of a Months Purc this it were worth were it in present Possession. But su there be a Lease of five Years (more or less) before you mence, look in the Table against the five Years, and there find 4 Years, 2 Months, and 5 Tenth parts of a Months chase: Take this out of the sum against Thirty, whic 13, 9, 2, the Remainder is, 9, 6, 7, which is 9 Yea Months, and 7 Tenth Parts of a Month; and so much i Reversion after 5 Years, worth the Remainder of 30 Yea

This is Useful, and very Easie.

# ...ANDER, 1709.

## The Second Part.

...ntaining the Eclipses; the Suns Quarterly ...gresses; the Southing of the Seven Stars for every Fifth ...y of this Year; with Directions for finding the Rising, ...uthing and Setting of several Fixed Stars: Also Rules ...d Tables for the Measuring of *Board*, *Glass*, *Pavements*, ...y other superficial Measure; as also to measure *Timber*: ...nd other Things worth Observation.

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...*Characters of the Twelve Signs, and what parts of the Body they are said to govern.*

...Aries, *Head & Face*; ♉ Taurus, *Neck & Throat*; ♊ Gemini, ...*rms & Shoulders*; ♋ Cancer, *Breast & Stomach*; ♌ Leo; ...*art & Back*; ♍ Virgo, *Bowels & Belly*; ♎ Libra, *Reins &* ...*ins*; ♏ Scorpio, *Secrets*; ♐ Sagittary, *Thighs*; ♑ Capri... ...rn, *Knees*; ♒ Aquarius, *Legs*; ♓ Pisces, *the Feet*.

...Characters of the Planets, with the Dragons Head and Tail, ...Saturn, ♃ Jupiter, ♂ Mars, ☉ Sol, ♀ Venus, ☿ Mer... ...ry, ☽ Moon, ☊ Dragons Head, ☋ Dragons Tail.

The Aspects.

...onjunction, ⚹ Sextile, □ Quartile, △ Trine, ☍ Opposition.

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## Brief Chronology of Memorable Things, to this Year, 1709.

| | |
|---|---|
| THE Creation of the World | 5698 |
| Noahs Flood | 4002 |
| The destruction of Sodom and Gomorrah | 3611 |
| The destruction of Troy | 2891 |
| Brute entred this Island | 2816 |
| The Building of *London* | 2816 |
| The Building of *York* | 2658 |
| The Building of *Leicester* | 2652 |
| The building of *Canterbury* | 2601 |
| The building of *Stamford* | 2572 |
| The building of *Rome* | 2461 |
| The destruction of *Jerusalem* by *T. Vesp.* | 1682 |
| *England* first received the Christian Faith | 1529 |
| The Tower of *London* built | 1144 |

Duke *William* conquered *England*
*Westminster* Hall was built
The Bible divided into Chapters
The Invention of Guns
The Art of Printing
St. *Pauls* Steeple fired
New Star in *Cassiopeia*
A great Snow fell *Feb.* 4.
Tilbury Camp on St. *James's* day
A Plague in *London*, whereof dyed 30598
Gunpowder Treason, *November* 5.
A great Snow, and *Smithfield* paved
A great Plague in *London*, whereof dyed 35418
The Long Parliament began, *November* 3.
King *Charles* the First was Murdered
Two Comets appeared in *December* and *March*
The doleful Plague that followed them
*London* was burnt, *September* 2, 3, 4, 5
The last great Snow
The wonderful Comet in *December*
A Comet in *August*
The terrible Fire in *Wapping*, *November* 19.
A great Earthquake, *October* the 6th
The last great Frost
The Rebellion in the *West*
The seven Bishops sent to the Tower, *June*
The Prince of *Orange* Landed, *November* 5.
King *William* went to *Ireland* with an Army, *June*
The *French* Fleet beaten by the *English* and *Dutch*, &c.
Our most Gracious Queen *Mary* Dyed, *Dec.* 28.
The Horrid Conspiracy to Assassinate His Majesty King *William*, and to bring in the *French*, was happily dis-
The Peace concluded with *France*
War again proclaimed against *France*, &c.
*Gibraltar* taken by the *English* & *Dutch* Fleet, *July*
The Glorious Battle of *Blenheim*, where the *French* were Beaten by the Confederates
The Famous Battle of *Ramillis*, wherein the *French* were beaten by the Confederates
*England* and *Scotland* made one Kingdom, by the Name of *Great Britain*, *May* 1.

## Of the Eclipses this Year, 1709.

There happeneth this Year but two Eclipses, and both of them of the *Sun*; the *Moon* suffereth no Eclipse this Year.

The first of these Eclipses happens the 28th day of *February*, at One of the Clock in the Afternoon, and will be visible (but very small) unto us, not much more than a 12th part of the *Sun*'s Diameter being hid from us by the *Moon*'s dark body.

The beginning will be about a quarter of an Hour after 12. The middle about half a quarter before One of the Clock: And the end near half an Hour after One of the Clock.

Though this Eclipse be so small unto us, yet it will be very great to other parts of the Earth; *(viz.)* upon the Coast of *Guinea*, in *Ethiopia Superior*, *Abissinia*, *&c.* Also in the Ethiopick Ocean, and in the Eastern Parts of *America*, in *Brasilia*, *Terra Firma*; also about the Islands *de Cabo Virde*, *&c.*

The second Eclipse happens *August* the 23th, near midnight, and therefore invisible unto us, but will appear great in the great Pacifick Ocean, or *Mare del Zur*, in the Western Parts of *America*: It is also visible and great in most parts of the *East-Indies*, in *Sumatra*, *Java*, *Borneo*, *Celebes*, and in the Moluccine Isles; also in *China*, &c.

Of Eclipses 'tis said, That Eclipses of the *Sun* in *ultimis Decanis* * *seditionem, crudelitatem, ferociam, inhumanitatem militum latet, & in Decano secundo* * *famem, Pestem, & seditiones* * *illum.* But these Eclipses being the one so very small to us, and the other not visible, can signifie little or nothing to us. Thus much of Eclipses.

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In certain Miscellany Tracts, written by the Learned Sir *Thomas Brown* Knight, and Dr. of Physick, there is a Prophecy concerning the Future State of several Nations, in a Letter written upon occasion of an old Prophecy sent to him by a Friend, with a Request that he would consider it. In

these inquisitive times I thought it might be acceptable t
Readers, and shall therefore give you here the beginni
the Letter and Prophecy. The Letter begins as follows:

*SIR*,

"I Take no pleasure in Prophecies so hardly intelli
" and pointing at future things, from a pretended
" of Divination: of which sort this seems to be which
" unto your hand, and you were pleased to send unto
" And therefore for your easier apprehension, diverti
" and consideration, I present you with a different ki
" Prediction; not positively or peremptorily telling you
" shall come to pass; yet pointing at things, not witho
" reason or probability of their Events: not built upo
" Decrees, or inevitable Designations, but upon Conje
" Foundations; whereby things wished may be pron
" and such as are feared may more probably be prevent

## *The Prophecy.*

WHen *New-England* shall trouble *New-Spain*,
When *Jamaica* shall be Lady of the Isles & the
When *Spain* shall be in *America* hid,
And *Mexico* shall prove a *Madrid*,
When *Mahomet*'s Ships on the *Baltick* shall ride,
And *Turks* shall labour to have Ports on that side;
When *Africa* shall no more sell out their Blacks,
To make Slaves and Drudges to the American Tracts;
When *Batavia* the Old shall be contemn'd by the New
When a new drove of *Tartars* shall *China* subdue;
When *America* shall cease to send out its Treasure,
But imploy it at home in American Pleasure;
When that the New World shall the Old invade,
Not count them their Lords, but their Fellows in Trad
When Men shall almost pass to *Venice* by Land,
Not in deep Water, but from Sand to Sand;
When *Nova Zembla* shall be no stay
Unto those who pass to or from *Cathay*;
Then think strange things are come to light,
Whereof but few have had a foresight.

for the Expoſition of the whole here is not room; but I
ll give you two or three of them.

*When* New-England *ſhall trouble* New-Spain.

That is, when that thriving Colony, which hath ſo much
reated in our days, and in the ſpace of about Fifty Years,
they can, as is reported, raiſe between twenty and thirty
ouſand Men upon an Exigency, ſhall in proceſs of time
o advanced, as to be able to ſend forth Ships and Fleets,
o infeſt the American Spaniſh Ports, and Maritime Domi-
s, by Depredations or Aſſaults: for which Attempts they
not like to be unprovided, as abounding in the Materials
Shipping, Oak and Firr. And when length of Time ſhall
r increaſe that induſtrious People, that the Neighbouring
ntry will not contain them, they will range ſtill farther,
be able, in time, to ſet forth great Armies, ſeek for new
ſeſſions, or make conſiderable and conjoined Migrations,
rding to the cuſtom of ſwarming Northern Nations:
erein it is not likely that they will move Northward, but
rds the Southern and Richer Countries, which are either
e Dominions or Frontiers of the *Spaniards*; and may not
obably erect new Dominions in Places not yet thought of,
yet, for ſome Centuries, beyond their Power or Ambi-
.

*When* Jamaica *ſhall be Lady of the Iſles and the Main.*

hat is, when that advantageous Iſland ſhall be well peo-
, it may become ſo ſtrong and potent, as to over-power
Neighbouring Iſles, and alſo a part of the main Land,
cially the Maritime Parts: And already in their Infancy,
have given teſtimony of their Power and Courage in
bold Attempts upon *Campeche*, and *Santta Martha*, and
at notable Attempt upon *Panama*, on the Weſtern ſide
*merica*; eſpecially conſidering this Iſland is ſufficiently
to contain a numerous People, of a Northern and War-
Deſcent, and addicted to Martial Affairs both by Sea
Land, and advantagiouſly ſeated to infeſt their Neigh-
both of the Iſles and Continent, and like to be a Recep-

racle for Colonies of the same Original from *Barbadoes*, a the Neighbour Isles.

*When* Spain *shall be in* America *hid,*
*And* Mexico *shall prove a* Madrid.

That is, when *Spain*, either by unexpected Disasters, continued Emissions of People into *America*, which have ready thinned the Country, shall be farther exhausted home; or when in process of time their Colonies shall gr by many Accessions more than their Originals, then *Me* may become a *Madrid*, and as considerable in People, We and Splendour; wherein that Place is already so well adv ced, that Accounts scarce credible are given of it; and i so advantagiously seated, that, by *Acapulco* and other Ports the South Sea, they may maintain a Communication Commerce with the Indian Isles and Territories, and w *China* and *Japan*, and on this side by *Porto Bello*, and othe hold a Correspondence with *Europe* and *Africa*. ——— H is not room for more of this at present.

*Of the Four Quarters of the Year, and first of the Spring.*

THE Spring Quarter begins *March* the 9th, at 5 hou 57 min. after Noon, making equal Day and Night to the Earth (except under the Poles): Now as the Days Nights are of equal length, so is there an equality in the tem of the Air, whereby the Pores of the Earth are relaxed open'd, and the vegetable life of Herbs and Plants produc This Quarter is generally hot and moist, and if it prove co trary, it brings Diseases and dangerous Distempers. Such P sons as are naturally melancholy enjoy their Healths the b this Quarter, the sanguine the contrary. Such Diseases proceed from Excess and Putrefaction of Blood are now m dangerous. In *March* be not too busy in Purging or Ble ing, but rather Bathe, and use such Meats and Medicines purge and sweeten the Blood. In *April* you may freely Ble Bathe or Purge, if there be occasion. In *May* it is wholso

ink Clarified Whey: But forbear Wine, and Meats of a quality.

### *Of Summer.*

Summer Quarter begins *June* the 10th, at 7 of the Clock in the Afternoon, making the longeſt Day and ſhorteſt to all on this ſide the Equator. This Quarter is natu- hot and dry. Ancient People do now revive, but young ple, through the exceſs of Blood, are much expoſed to es. In *June* abſtain from ſuch Meats as ingender raw moiſt humours. In *July* and *Auguſt* beware of Bleeding or ing, and drink not much Wine, for now it dries the Spo- und Liver, and increaſes Cholet.

### *Of Autumn.*

*Autumn* begins *September* the 12th, 44 min. paſt 8 in the morning, making again equal Day and Night. In *Sep-* or *October*, you may Bleed or Purge, if there be occa- ; but in *November* forbear.

### *Of Winter.*

*Winter* Quarter begins *December* the 10th, at 10 hours 17 min. after Noon, making our ſhorteſt Day and ſt Night. Now a Glaſs of good Liquor, and Kitchin ick is the beſt. Forbear other Phyſick as much as be.

---

*the Riſing, Southing and Setting, of ſeveral fixed Stars here- mentioned.*

The Tables following you have firſt the ſeven Stars Southing every fifth day: in the ſecond Table is ſet the difference the Southing of thoſe Stars therein named, and the ſeven which being added to the time of the ſeven Stars Southing,

giveth the irs. In the ſame Table is alſo ſet their ſemidiurnal Arc
thereby to find the riſing and ſetting of the ſaid Stars. Suppo
is required to know what time the great Dog-ſtar, called Sy
will be South the 11th. of *February*? I then find the Seven S
South at 5 ho. 10 min. to which add 3 hō. 2 m. the differe
annexed to the great Dog-Star, and it makes 8 ho. 12 min. be
the time of its Southing the ſaid 11th of *February*. If to
Southing you add the Semidiurnal Arch, 4 ho. 31 min. it g
the time of its ſetting at 12 ho. 43 min. but if you ſubſtract
Semidiurnal Arch from the Southing, it leaveth the time of
Riſing. The like may be done by any other of the ſaid Stars.

For the better diſtinction of the ſeveral ſizes of Stars they
divided them into ſix ſeveral magnitudes. The biggeſt and brigh
Stars are called Stars of the firſt Magnitude. Thoſe one ſize
leſs in bigneſs are called Stars of the ſecond Magnitude
&c. Now for the better knowing the Stars hereafter-mentio
Note, that the great Dog-ſtar, Lions Heart, Virgins Spike, and
bright ſtar of *Lyra*, are accounted ſtars of the firſt magnitude
are alſo *Aldebaran* and *Arcturus*, but they are Red ſtars much of
colour of *Mars*, all the reſt in the Table are of the ſecond m
nitude, except the Northern and Southern *Aſſ*, which are ſm
Stars being of the fourth magnitude.

A Table ſhewing the Hour and minute of the Seven Stars c
ing to South, every 5th day of this year, 1709.

| Moneths | Dayes of the Moneth. 1 | | 6 | | 11 | | 16 | | 21 | | 26 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | H. | M. | Ho | M. | H. | M. | H. | M. | H. | M. | H. | |
| January | 7 | A 5 | 7 | A 36 | 7 | 8 14 | 6 | A 55 | 6 | A 32 | 6 | A |
| February | 5 | A 49 | 5 | 29 | 5 | 10 | 4 | 51 | 4 | 32 | 4 | |
| March | 4 | A 0 | 3 | 41 | 3 | 23 | 3 | 4 | 2 | 46 | 2 | |
| April | 2 | A 11 | 1 | 48 | 1 | 30 | 1 | 11 | 0 | 52 | 0 | |
| May | 0 | A 14 | 11 | M 54 | 11 | M 34 | 11 | M 14 | 10 | M 53 | 10 | M |
| June | 10 | M 8 | 9 | 43 | 9 | 20 | 9 | 2 | 8 | 45 | 8 | |
| July | 8 | M 5 | 7 | 45 | 7 | 24 | 7 | 4 | 6 | 45 | 6 | |
| August | 6 | M 3 | 5 | 45 | 5 | 26 | 5 | 8 | 4 | 49 | 4 | |
| September | 4 | M 10 | 3 | 52 | 3 | 34 | 3 | 17 | 3 | 0 | 2 | |
| October | 2 | M 22 | 2 | 3 | 1 | 44 | 1 | 25 | 1 | 5 | 0 | |
| November | 0 | M 22 | 0 | 2 | 11 | A 39 | 11 | A 16 | 10 | A 54 | 10 | |
| December | 10 | A 11 | 9 | A 40 | 0 | 26 | 0 | 4 | 8 | 41 | 8 | |

A

Table shewing the difference in hours and minutes between the coming to south of several fixed stars, and the seven stars, as also their semi-diurnal Arches thereby to find their rising and setting.

| Names of the Stars. | Diff. south. | semid. Arches | Names of the Stars. | Diff. south. | semid. Arches |
|---|---|---|---|---|---|
| | h. m. | h. m. | | h. m. | h. m. |
| Aldebaran B.eye | 0 49 | 7 28 | Lions heart, Basil. | 6 23 | 7 13 |
| Mid.In Orions Girdle | 1 51 | 5 54 | Virgins Spike | 9 4 | 5 5 |
| Sirt. Dog. Syrius | 3 2 | 4 31 | Arcturus | 10 32 | 8 c |
| Castor 1st.head ♊ | 3 46 | 9 47 | South ballance | 11 3 | 4 4c |
| Mid.Dog.Procyon | 3 54 | 6 32 | North ballance | 11 31 | 5 16 |
| Pollux, 2d.head ♊ | 3 57 | 9 4 | Northern Crown | 11 32 | 8 5 |
| Northern Ass. | 4 56 | 8 12 | bright * Lyræ | 14 57 | sets not |
| Southern Ass. | 4 58 | 7 4c | bright * Vulturis | 16 6 | 6 42 |

*Here followeth some few Rules, and Tables, for the mensuration of Superficies and Solids.*

FOr the Mensuration of superficial or flat measures, such as Board, Glass, Pavement, Hangings, &c. it will be necessary to know how to measure any plain superficial figure, as the Square, Long-square, or Parellelogram, Triangle, Circle, parts of the Circle, &c. examples of all which do here follow.

I. *How to measure a Square.*

Let there be a square floor, or pavement, the sides whereof are each of them 5 feet 6 inches, and 'tis required to know how many square, or superficial feet are contained therein. First (a good plain way to avoid Fractions will be to) Reduce the whole side into inches, 5 feet, 6 inches, being 66 inches, multiply 66 by 66, and the Product will be 4356, the superficial content in inches; then divide 4356 by 144 (the square inches in one foot) and the quotient will be 30 feet, and 36 inches remaining, which is the number of inches in one quarter of a foot; so that in such a square is contained 30 feet and one quarter. See the Margin.

66
66
396
396
4356
4356
144
30
432
36

II. To

II. *To measure the Long-square or Parallelogram.*

Suppose there be a Pavement whose length is 72 feet, and breadth 12 feet, how many feet is contained therein.

| | |
|---|---|
| 72 in | |
| 12 | |
| 144 | |
| 72 | |
| 864 | |

Multiply 72 in length, by 12 the breadth, and the product will be 864, and so many superficial feet are contained in that Pavement.

III. *To Measure a Long Superficies, which is broader at one end than at the other.*

Let there be a superficies whose length is 72 inches, the breadth of the greater end 50 inches, and the breadth of the lesser end 34 inches, and let it be required to know how many feet are contained therein. First, add the breadths of both the ends together, which maketh 84, take half thereof, which is 42, which being multiplyed by 72 the length, the product will be 3024 the content in inches, which being divided by 144 (the inches in one foot) the Quotient will be 21 feet, and nothing remaining, so that there is exactly 21 feet in such a superficies.

| | |
|---|---|
| 72 | |
| 42 | |
| 144 | |
| 288 | |
| 3024 | |
| 144 | |
| 288 | (21 |
| 144 | |

IV. *How to Measure Triangles.*

All Right lined Triangles are measured by this general Rule.

Multiply half the length of the Base by the whole Perpendicular. Or, the whole length of the Base by half of the Perpendicular.

Suppose the Base of a Triangle be 44, and the Perpendicular 26, what is the Content.

Multiply 44 (the Base) by 13, (half the perpendicular) the Product will be 572: Or 22 (half the Base) being multiplyed by 26, (the whole perpendicular) the Product will be 572, as before, which is the Content of such a Triangle.

V. All *Trapezias*, or Figures with four unequal sides; also Multangular, or many sided irregular Figures, must be divided into Triangles, and those Triangles measured as before is taught, and their sums added together will give the content of such irregular Figures. And note, that the least number of Triangles, into which any plot or irregular figure may be reduced, will be less by two than the number of the sides of such irregular figures.

VI. *How to measure Circles, and parts of Circles.*

The Diameter of every Circle hath such proportion to the circumference of the same Circle as 7 hath to 22. Therefore the

e Diameter being given to find the circumference, you muſt ltiply the Diameter by 22, and the product being divided 7, the Quotient will be the circumference. Thus, ſuppoſe Diameter of a Circle be 14, multiply 14 by 22, the pro- ct will be 308, which being divided by 7, the Quotient is 44, ing the circumference of that Circle whoſe Diameter is 14.

*Having the Circumference to find the Diameter.*

Multiply the circumference given by 7, the product divide 22. and the Quotient will be the Diameter. Let the cir- mference of a circle be 60, multiply 60 by 7 the product ll be 420, which being divided by 22, the Quotient will be and $\frac{2}{3}$ or $\frac{1}{11}$ which is the Diameter.

To find the Area or Superficial content of a Circle. Multi- half the circumference by half the Diameter, the product the content of the Circle: Thus, Let the circumference be , the half whereof is 30, and the Diameter 19 $\frac{2}{3}$ the half hereof is $9\frac{1}{3}\frac{2}{3}$, by which multiplying 30, the product will be $96\frac{4}{11}$ which is the ſuperficial content of ſuch a Circle; or,

By the Diameter to find the Area of the circle. Firſt, ſquare Diameter, multiply the ſquare by 11, and divide the pro- t by 14, the Quotient is the ſuperficial content of the circle. Let the Diameter be as above $19\frac{1}{11}$ the ſquare whereof is $4\frac{16}{21}$ this multiplied by 11 produceth $4009\frac{1}{11}$ which being ided by 14 the Quotient is $286\frac{4}{11}$ as above, being the ſuper- al content of ſuch a circle.

To meaſure the ſuperficial content of half the circle, the ter of a circle, or of any other ſection of a circle, more or , having the ſemidiameter given.

Multiply half of the compaſs thereof by the ſemidiameter of circle, ſo ſhall you have the content.

*Of the Menſuration of Solids.*

S Plain or Superficial Meaſure conſiſteth of two dimenſi- ons, namely, length and breadth; ſo Solid meaſure conſiſt- of three dimenſions, namely, length, breadth and thickneſs.

*To meaſure any kind of Timber, either Square, Triangular, Rou or of any other Faſhion, provided it be ſtraight and equal a alang.*

Caſt up the ſuperficial Content at the end thereof, by the es before going, for the finding the Content of the Square, ngle, Circle, &c. which Superficial Content being multi-

plyed

plyed by the length of the Piece, will give you the Solid Co
tent thereof. *Example.* Let there be a piece of Timber, (
other ſolid matter) whoſe breadth is 18 inches, its depth 1
inches, and length 142 inches, to find how many ſolid feet a
contained therein. Firſt, multiply the breadth 18 by the dep
13, the product is 234, being the ſuperficial inches at the e
of the piece. Secondly, multiply this 234 by 142 the leng
of the piece, and the product will be 33228, the ſolid Conte
in inches. Thirdly, divide 33228 by 1728, (being the number
cubical inches in one ſolid foot) and the quotient will be 19, a
396 inches remaining, which is 19 ſolid feet, and almoſt o
quarter of a foot, and ſo much is the ſolid content of ſuch a pie

A 2d Example of a round piece. Let there be a round piece
Timber whoſe compaſs is 60 inches, and the length 20 feet, (
240 inches) and let it be required to find the ſolid conte
thereof. Firſt, by the help of the circumference 60, find the Diam
ter (as before is taught) by multiplying 60 by 7, and dividing t
product thereof by 22, ſo ſhall you find the Diameter to be 19
Then by either of the ways before taught, *viz.* by multiplyin
the circumference by $\frac{1}{2}$ the Diameter; or by (ſquaring, or) m
tiplying the Diameter in it ſelf, and multiplying that ſquare
11, and dividing the product by 14, the ſuperficial content of t
end of ſuch a piece will be found to be $286\frac{4}{11}$ inches. Now mu
ply this $286\frac{4}{11}$ by the length of the piece 240, and the prod
will be $68727\frac{3}{11}$ the content in inches, which being divided
1728, the quotient will be 39 feet, and $\frac{1}{4}$ of a foot, and $39\frac{3}{11}$ in
remaining, which is the ſolid content of ſuch a piece of Timb
B had this piece of Timber been meaſured by that egregiou
falſe way of taking $\frac{1}{4}$ part of the Girt for the ſide of the ſquare
qual, it would have been found to be but 31 feet and $\frac{1}{4}$ of a fo
which is above $\frac{1}{5}$ part leſs than the truth, it being 39 feet, & above

In behalf of that erroneous way many do plead, that in rou
Timber there is great loſs in chipping to bring it near a ſqua
therefore that way may be allowed; but this is very unequ
in great Timber there being little loſs, in ſmall Timber mu
let therefore the quality be conſidered, rather than make ſ
unequal amends by a falſe quantity.

*Of the Menſuration of Tapering Timber, either round or ſquared, ſuch
Fruſtums of Cones and Pyramids.*

FIrſt find the ſuperficial Area of each end of the piece, a
multiply the one Area by the other. Secondly, out

the product of the two Area's, extract the Square Root. Thirdly, add this Root and the two Area's all into one ſum, Laſtly, multiply this ſum by one third part of the length of the piece, and that product ſhall give you the Content.

Let there be a piece of Timber whoſe Circumference at the greater end is 66 inches, at the leſſer end 44 inches, and the length 20 feet, and it is required to find how many ſolid feet are contained therein. Firſt, the Area of the Circle at the greater end (by multiplying half the Circumference 33 by half the Diameter $10\frac{1}{2}$) will be found to be $346\frac{1}{2}$, and the Area of the Circle at the leſſer end will be 154: Theſe multiplyed together do produce 53361. Secondly, out of this product extract the Square Root, which is 231, (for 231 being multiplyed in itſelf produceth 53361). Thirdly, add the two Areas, and the Square Root 231 together, and the ſum of them will be $731\frac{1}{2}$. Laſtly, multiply $731\frac{1}{2}$ by 80 inches, (one third part of the length) and the product will be 58520, being the ſolid inches contained therein, which inches being divided by 1728, the Quotient will be 33 feet, and 1496 inches remaining, which is 3 quarters of a foot, and almoſt half a quarter.

*To find the Content of Tapering Timber, other wayes than is taught above.*

Theſe pieces being parts of Cones or Pyramids, their Contents may be found by ſeeking the Content of the whole Cone or Pyramid, (of which they are part) and the Content of that part which is wanting, for that part being ſubſtracted from the whole, the remainder muſt be the Content of the part required.

Now the way to find the content of a Cone or Pyramid is, to multiply the ſuperficial Content of the Baſe by one third part of the length; and to find the length of the top part of a Cone or Pyramid which is wanting; ſay thus, As the difference of the ſides, or Diameters of the two ends, to the length between them; ſo is the ſide, or Diameter of the greater end, to the whole length. *Example*, of the piece before mentioned, whoſe greater end is 66 inches about, and the leſſer end 44; hence the Diameter of the greater end will be 21, and the Diameter of the leſſer end will be 14, and their difference is 7, therefore ſay, If 7 give 20 feet what will 21 give? Anſwer, 60 feet; being the whole length of the Cone: Now the ſuperficial

content

content of the Base of this Cone, (being 346$\frac{1}{2}$ inches) multiplyed by 240 inches, (one third part of the length of the whole Cone) produceth 83160 inches, the content of the whole Cone. And the superficial content of the lesser end, (which is the Base, of the top (or wanting) part of the Cone) which is 154 being multiplyed by 160, (one third part of the length of the top (or wanting) part) produceth 24640 inches, the content of the wanting part, which being subtracted from 83160, (the content of the whole Cone) the remainder is 58520 inches, the content of the part required, being the same as before.

Here followeth Tables ready calculated, for the Measuring of Squared or Round Timber, which is supposed to be equal all along: Their Use is thus; seek the side of the Squared, or compass of the Round Timber, in the first, third or fifth column of the Tables, and against it, in the next column, you have the length of a solid foot. Thus, the side of a squared piece of Timber being 20 inches, the length of a solid foot will be 4 inches and 3 tenth parts of an inch: And the compass of a round piece, being 80 inches, the length of a solid foot will be found to be 3 inches, and 39 hundredth parts of an Inch.

A Table, shewing how much in length will make a Solid Foot of any Square Stone or Timber: The side of the Square being given in Inches, from 1 Inch to 35 Inches square.

| Side of the Square. | Length of a solid foot | | | Side of the Square. | Length of a solid foot. | | Side of the Square | Length of a solid foot. | |
|---|---|---|---|---|---|---|---|---|---|
| Inch. | Fe. | inc. | 10ths | Inch. | Inch. | 10ths | Inch. | Inch. | 10ths |
| 1 | 144 | 0 | 0 | 13 | 10 | 2 | 25 | 2 | 8 |
| 2 | 36 | 0 | 0 | 14 | 8 | 8 | 26 | 2 | 6 |
| 3 | 16 | 0 | 0 | 15 | 7 | 6 | 27 | 2 | 3 |
| 4 | 9 | 0 | 0 | 16 | 6 | 7 | 28 | 2 | 2 |
| 5 | 5 | 9 | 2 | 17 | 5 | 9 | 29 | 2 | 1 |
| 6 | 4 | 0 | 0 | 18 | 5 | 3 | 30 | 1 | 9 |
| 7 | 2 | 11 | 2 | 19 | 4 | 8 | 31 | 1 | 8 |
| 8 | 2 | 3 | 0 | 20 | 4 | 3 | 32 | 1 | 7 |
| 9 | 1 | 9 | 3 | 21 | 3 | 9 | 33 | 1 | 6 |
| 10 | 1 | 5 | 3 | 22 | 3 | 5 | 34 | 1 | 5 |
| 11 | 1 | 2 | 3 | 23 | 3 | 3 | 35 | 1 | 4 |
| 12 | 1 | 0 | 0 | 24 | 3 | 0 | 36 | 1 | 3 |

A Table shewing how many inches in length will make a foot solid, of any round piece of Timber or Stone, the Girt being known, from 12 inches compass to 100.

| Com. | len. of a foot | | Com. | len. of a foot | | Com. | len. of a foot | |
|---|---|---|---|---|---|---|---|---|
| Inch. | Inch. | 100 p | Inch. | Inch. | 100 p. | Inch. | Inch. | 100 p. |
| 11 | 179 | 46 | 41 | 12 | 92 | 71 | 4 | 31 |
| 12 | 150 | 80 | 42 | 12 | 31 | 72 | 4 | 20 |
| 13 | 128 | 49 | 43 | 11 | 74 | 73 | 4 | 08 |
| 14 | 110 | 79 | 44 | 11 | 31 | 74 | 3 | 97 |
| 15 | 94 | 31 | 45 | 10 | 72 | 75 | 3 | 86 |
| 16 | 84 | 82 | 46 | 10 | 26 | 76 | 3 | 76 |
| 17 | 75 | 14 | 47 | 9 | 83 | 77 | 3 | 66 |
| 18 | 67 | 02 | 48 | 9 | 42 | 78 | 3 | 57 |
| 19 | 60 | 15 | 49 | 9 | 04 | 79 | 3 | 48 |
| 20 | 54 | 29 | 50 | 8 | 69 | 80 | 3 | 39 |
| 21 | 49 | 23 | 51 | 8 | 35 | 81 | 3 | 31 |
| 22 | 44 | 86 | 52 | 8 | 03 | 82 | 3 | 23 |
| 23 | 40 | 90 | 53 | 7 | 73 | 83 | 3 | 15 |
| 24 | 37 | 69 | 54 | 7 | 42 | 84 | 3 | 08 |
| 25 | 34 | 74 | 55 | 7 | 18 | 85 | 3 | 01 |
| 26 | 32 | 12 | 56 | 6 | 92 | 86 | 2 | 94 |
| 27 | 29 | 79 | 57 | 6 | 68 | 87 | 2 | 87 |
| 28 | 27 | 70 | 58 | 6 | 45 | 88 | 2 | 81 |
| 29 | 25 | 82 | 59 | 6 | 24 | 89 | 2 | 74 |
| 30 | 24 | 13 | 60 | 6 | 03 | 90 | 2 | 68 |
| 31 | 22 | 60 | 61 | 5 | 84 | 91 | 2 | 62 |
| 32 | 21 | 21 | 62 | 5 | 65 | 92 | 2 | 57 |
| 33 | 19 | 92 | 63 | 5 | 47 | 93 | 2 | 51 |
| 34 | 18 | 78 | 64 | 5 | 30 | 94 | 2 | 46 |
| 35 | 17 | 74 | 65 | 5 | 14 | 95 | 2 | 41 |
| 36 | 16 | 76 | 66 | 4 | 98 | 96 | 2 | 36 |
| 37 | 15 | 86 | 67 | 4 | 84 | 97 | 2 | 31 |
| 38 | 15 | 04 | 68 | 4 | 70 | 98 | 2 | 26 |
| 39 | 14 | 28 | 69 | 4 | 56 | 99 | 2 | 22 |
| 40 | 13 | 57 | 70 | 4 | 43 | 100 | 2 | 17 |

Ad-

WRiting and *Arithmetick* Taught by Mr. *Joseph Pepp*
*Stamford* in *Lincolnshire*: With whom Youth ma
commendably Boarded for their speedier Improvement.

ARtificial Teeth Set in so well as to Eat with them,
not to be Discover'd from Natural, nor to be take
at Night, as is by some falsly suggested, but may be
Years together; They are an Ornament to the Mouth,
help the Speech; Also Teeth Clean'd and Drawn by
*Watts*, Operator; who applies himself wholly to the said
ness, and Lives in *Racket-Court*, *Fleet-Street*.

IF any Gentleman, or other Person, would have his
surveyed, or any Building or Edifice measured, eithe
*Bricklayers*, *Carpenters*, *Masons*, *Plaisterers*, &c. the Autho
this Almanack will perform the same, either for Maste
Work-men: And if any Person would have about his H
or Garden, any Sun-Dials, either Direct, Declining, Inclin
or Reclining, he will make or prepare for them such as
shall desire.

*From* Leasthorp *near* Melton-Mowbry, *in the*
*County of* Leicester, August 25. 1708.

FINIS.